




The Hydro-Electric Power Commission of Ontario

Fiftieth
Annual Report
for the Year
1957

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Revised Statutes of Ontario, 1950, Chapter 281, Section 9.



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THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

December 1957

JAMES S. DUNCAN, C.M.G., LL.D.
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1st Vice-Chairman

HON. T. RAY CONNELL, M.L.A.
2nd Vice-Chairman

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Commissioner

D. P. CLIFF
Commissioner

A. W. MANBY, B.Sc.
General Manager

OTTO HOLDEN, B.A.Sc., C.E., D.ENG.
Chief Engineer

ERNEST B. EASSON, B.COM.
Secretary

LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 13, 1958

THE HONOURABLE JOHN KEILLER MACKAY, D.S.O., V.D., LL.D.

Lieutenant-Governor of Ontario

SIR:

I have the honour to present the Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1957.

In a year when there was evidence of some levelling off in the national economic rate of growth it is gratifying to note that our sales of electric power advanced at a very satisfactory rate. This provides a continuing basis for confidence in the promising future of the Province which finds expression in the Commission's ever-expanding program of generating project construction.

At Sir Adam Beck-Niagara Generating Station No. 2 three new generating units were in service at the pumping-generating station by the end of December, with the remaining three units scheduled to be placed in service in 1958. The fifteenth and sixteenth units in the main generating station will also be placed in service this year, marking the completion of the work which was begun in 1950 and which will have enabled the Commission to increase its installed capacity in Niagara River generating stations by 1,370,000 kilowatts.

At the St. Lawrence Power Project, which will produce power for the first time in July 1958, the principal structural elements were completed by the end of 1957. The excellent progress achieved has been due in no small measure to the splendid co-operation our construction teams have received from the Power Authority of the State of New York and the construction companies working on their behalf. The Commission is particularly grateful to those who have been involved in the complex problems of relocating communities and public facilities and who have enabled us to carry out this part of the work with remarkable despatch and a minimum of inconvenience to all.

Meanwhile, at seven locations in the Northern Ontario Properties work is being carried out on hydro-electric installations that will increase the total capacity of our resources by nearly 254,000 kilowatts.

These new hydraulic developments are dwarfed by the magnitude of present plans for the expansion of thermal-electric generating facilities. In Toronto work was well under way early in 1957 to increase the capacity of Richard L. Hearn Generating Station to 1,200,000 kilowatts, or three times its present size. Three

other large stations—Lakeview Generating Station on the lakeshore near Toronto, a similar station also on the shore of Lake Ontario to serve the Hamilton-Toronto area, and Thunder Bay Generating Station in Fort William—are scheduled for development as loads may require over the next ten years.

The feasibility of developing power from nuclear sources is the subject of continuing study, and the Commission is co-operating closely with Atomic Energy of Canada Limited and Canadian General Electric Company Limited in the development of the 20,000-kilowatt Nuclear Power Demonstration plant. Since the beginning of 1958 plans have been completed for a program under which the Commission and the Crown Company will jointly study development problems related to a large-scale nuclear generating station.

These plans and projects are selected for special comment from among the many dealt with more extensively in the body of the Report. Only brief mention can be made of other items of interest—the remarkable smoothness with which the extensive program of frequency standardization is rapidly approaching conclusion, and the expansion of supply facilities to serve the growing needs of our customers. A good deal of publicity has already been given to the recent adjustments in rural rates and the easing of conditions under which service is made available to rural customers. These adjustments have been most favourably received as a further step in extending the benefits of electrical living more widely throughout the Province.

As the number of customers increases from year to year, there is a corresponding increase in the Commission's investment in physical properties to supply them. Net revenues from the sale of power reflect the growing loads of the systems. The cost of providing service was favourably affected by the very satisfactory water conditions prevailing in 1957 and the consequent reduction in coal consumption in the thermal-electric stations.

I should like to express my personal appreciation of the assistance so generously given by my colleagues on the Commission. The Honourable T. Ray Connell resigned recently from the Commission to become Minister of Reform Institutions in the Provincial Government, and I convey to him our sincere appreciation and thanks for the valuable contribution he has made in the conduct of the Commission's affairs during his tenure of office. The Honourable Robert W. Macaulay was appointed to succeed Mr. Connell on May 26, 1958, and with his widely recognized abilities we welcome him to the Commission and wish him well as he undertakes his new responsibilities.

On behalf of the Commission I wish to pay tribute to the loyalty, efficiency, and technical skill of the members of the staff whose efforts have made possible another successful year in the Commission's record of service.

Respectfully submitted,

JAMES S. DUNCAN,
Chairman.

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FIFTIETH ANNUAL REPORT
OF
The Hydro-Electric Power Commission
of Ontario

FOREWORD

THE Hydro-Electric Power Commission of Ontario is a corporate entity, a self-sustaining public enterprise endowed with broad powers with respect to electricity supply throughout the Province of Ontario. Its authority is derived from an Act of the Provincial Legislature passed in 1906 to give effect to recommendations of earlier advisory commissions that the water powers of Ontario should be conserved and developed for the benefit of the people of the Province. It now operates under The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified from time to time (Revised Statutes of Ontario, 1950, c. 281, as amended). In addition to administering the enterprise over which it has direct control, the Commission exercises certain regulatory functions with respect to the province-wide group of municipal electrical utilities which it serves.

The Commission may have from three to six members, all of whom are appointed by the Lieutenant-Governor in Council. One commissioner must, and a second commissioner may, be a member of the Executive Council of the Province of Ontario. In the conduct of the Commission's affairs, the commissioners are responsible for, and are the final authority in establishing policy.

Systems and the Power Supply

For the financial and administrative purposes of the Commission, the Province is divided into two parts. The roughly triangular part of the Province lying south of Lake Nipissing and the French and Mattawa Rivers is served by the Southern Ontario System. It is a fully integrated power system comprising the Niagara, Eastern Ontario, and Georgian Bay Divisions. The northern part of the Province is served by the Northern Ontario Properties, comprising the Northeastern and Northwestern Divisions. The Southern Ontario System is a co-operative system primarily serving a large group of municipalities receiving power at cost under contracts established according to the provisions of The Power Commission Act. The Northern Ontario Properties are not a co-operative system, but the power facilities of the Northwestern Division do serve a small group of municipalities at cost. Apart from the supply of power to these cost-contract customers the Northern Ontario Properties are held and operated in trust for the Province of Ontario. Each of the two northern divisions is an integrated power system, the Northeastern Division being also interconnected with the Southern Ontario System. For administrative purposes the whole area served by the Commission is subdivided into nine regions, seven in the south and two in the north, with regional offices located in nine major municipalities. At present the two northern regions coincide with the Northeastern and Northwestern Divisions.

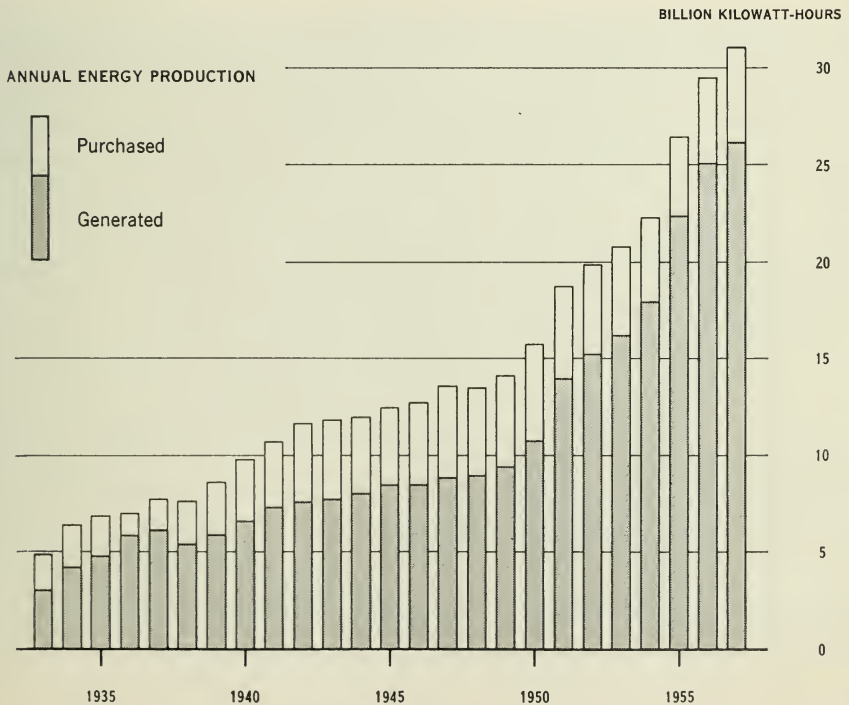
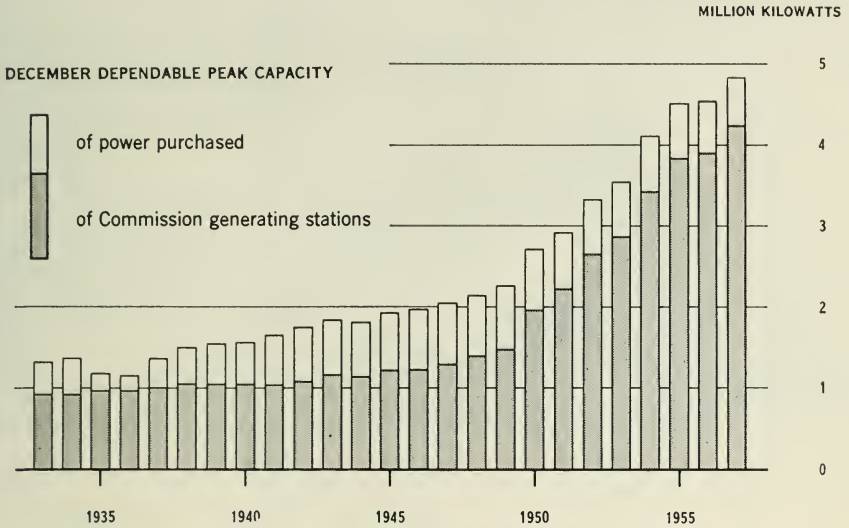
The primary function of the enterprise is to provide electric power by generation or purchase, and through a province-wide network of transformation and transmission facilities, to deliver this power either for resale by the associated municipal utilities or for use by some two hundred industrial customers served directly by the Commission. This aspect of operations accounts for about 90 per cent of the Commission's energy sales. (See pages 209-211.) The municipal utilities, in their turn, administered by local commissions and functioning under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act, own and operate their own distribution systems to serve ultimate customers in most cities and towns, in many villages, and in certain township areas. The remaining 10 per cent of the energy sold is disposed of as a secondary function of the Provincial Commission. This involves Commission ownership and operation of distribution facilities which provide retail service on behalf of the respective townships to ultimate customers in the rural areas of the Province and similar service to customers in a limited number of municipalities supplied by what are known as "Local Systems".

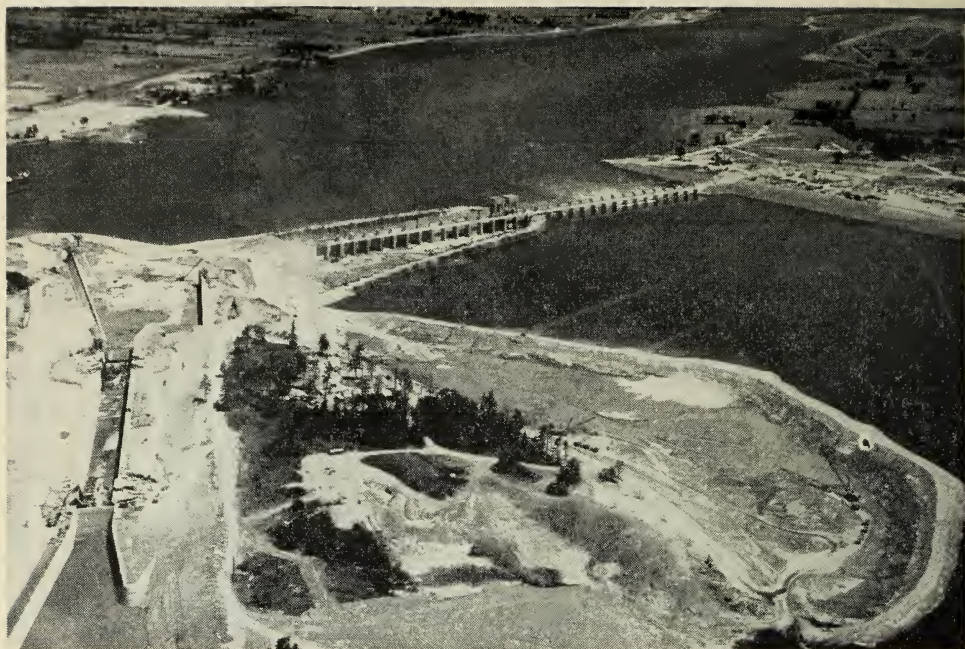
Financial Features

The basic principle governing financial operations of the undertaking and its associated municipal electrical utilities is that service is provided at cost. In the Commission's operations, cost of service includes payment for power purchased, charges for operating and maintaining the power systems, and related fixed charges. The fixed charges represent interest on debt, reserve provisions for depreciation

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION





ST. LAWRENCE POWER PROJECT—The final stages of construction of the control dam and lock at Iroquois. At the right, excavation is carried on behind a protective embankment. The 2,250-foot dam, completed in December 1957, now regulates the flow of water from Lake Ontario.

and for contingencies and rate stabilization, and the further provision of a sinking fund reserve for retiring the Commission's capital debt. The municipal utilities operating under cost contracts with the Commission are billed throughout the year at interim rates based on estimates of the cost of service. At the end of the year when the actual cost of service is established, the necessary balancing (debit or credit) adjustments are made in their accounts. Retail rates for the municipal utilities and for the rural areas are established at levels calculated to produce adequate revenue to meet the total cost of delivering power to the customer. The Commission's retail rate structure for rural customers designated as farm, hamlet, commercial, and summer service has been uniform throughout the Province since 1944.

The enterprise from its inception has been self-sustaining. The Province, however, guarantees the payment of principal and interest on all bonds issued by the Commission and held by the public. In addition, over a period of nearly forty years the Province has materially assisted the development of agriculture by contributing half the capital cost of rural distribution facilities.

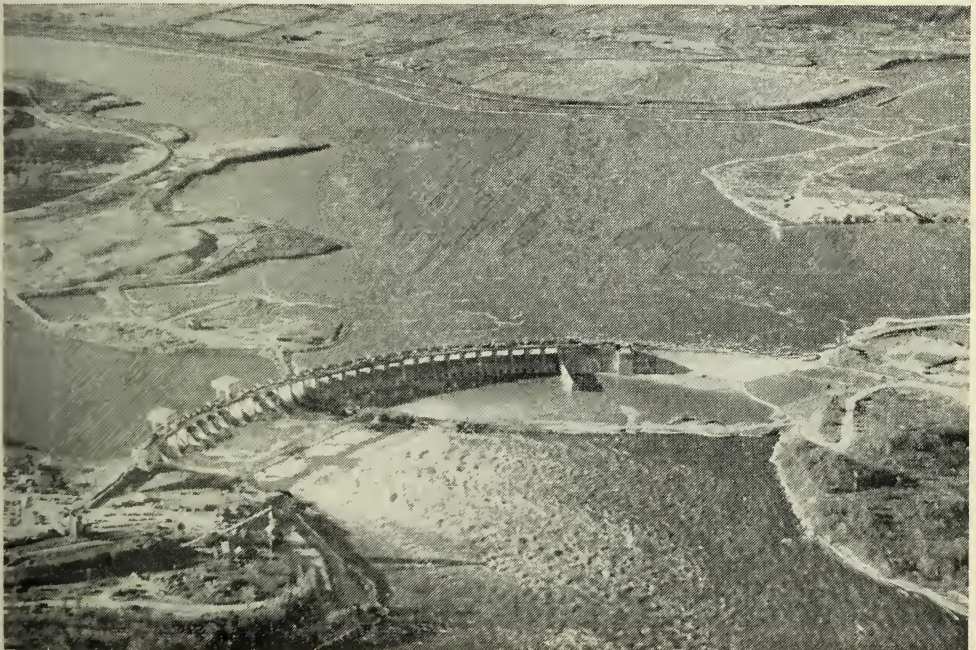
Annual Summary—1957

Even with the moderate levelling off in the rapid economic expansion of the past three years, requirements for electric power continued to advance at a very satisfactory rate and showed a 6.0 per cent increase over those of 1956. The

Commission continues to extend its immense program of capital construction in anticipation of future growth in the Province.

The redevelopment of the Niagara River, begun in 1950, was virtually complete by the end of 1957 and three of the six units at the pumping-generating station which is such an unusual feature of the development were in operation. Construction at the St. Lawrence Power Project will continue for another two years but a number of the major items involved were either completed or approaching completion in readiness for initial operation of the generating station in the summer of 1958. These include the Long Sault dam, the Iroquois control dam, the Cornwall dike, and the re-establishment of road, rail, and other facilities to serve entire relocated communities. Meanwhile, at seven locations in the Northern Ontario Properties, including the development begun in 1957 at Silver Falls on the Kaministiquia River, work is being carried out on hydro-electric installations that will increase the total capacity by nearly 254,000 kilowatts.

The broad program of frequency standardization affecting over a million customers over an area of 12,000 square miles in southern Ontario has been practically completed in all but a closely circumscribed area of Toronto and Leaside. During 1957, surveys and inventories were undertaken in the Northeastern Division in preparation for extending the benefits of 60-cycle power to all domestic and rural customers in the division in 1958.



ST. LAWRENCE POWER PROJECT — The Long Sault dam, a curved-axis spillway structure about 2,250 feet long, extends across the main channel of the river from the western end of Barnhart Island to the United States mainland. It was built by the Power Authority of the State of New York.

Major construction was well under way in 1957 for the increase of Richard L. Hearn Generating Station in Toronto to 1,200,000 kilowatts, or three times its present size. Further plans were developed and initial steps were taken to establish three other thermal-electric stations—Thunder Bay Generating Station in Fort William, Lakeview Generating Station just west of Toronto, and a similar station also to serve the Toronto-Hamilton area. The present program involves the installation of one 100,000-kilowatt unit at Thunder Bay Generating Station and two 300,000-kilowatt units at Lakeview Generating Station.

The feasibility of power from nuclear sources in Canada is the subject of continuing study and the Commission is maintaining close contact with authorities at present engaged in programs to generate nuclear power both in Great Britain and in the United States. Actual engineering and construction of the Nuclear Power Demonstration plant was halted in 1957 to permit the introduction of an improved reactor design. Continuing studies carried out in collaboration with Atomic Energy of Canada Limited will enable the Commission, when feasible, to take a prominent part in carrying out the development of a large-scale nuclear power plant, thus advancing the date when nuclear power will become economic in Canada.

The fullest advantage is being taken of every economic means of sharing with neighbouring utilities the mutual benefits of system interconnection. With the progress of the program to standardize at 60-cycle frequency the facilities of the Commission's Quebec suppliers, the interconnection facilities are being still further improved.



RICHARD L. HEARN GENERATING STATION — Four new turbo-generators, each with a capacity of 200,000 kilowatts, will be added to this station. During 1957, steel to extend the powerhouse was erected and concrete turbine blocks were constructed for two of the units. The first of the new units will be placed in service in 1958.

The table on page 11 conveniently summarizes the growth during the past year in the Commission's power resources and in the requirements of customers. Revenues have increased correspondingly from \$186,311,140 in 1956 to \$200,796,472 in 1957, a growth of 7.8 per cent. Energy was delivered to 351 municipally owned distribution systems, to 219 direct industrial customers, and to Commission-owned distribution systems for the supply of customers in 28 municipalities and 104 rural operating areas. The total number of ultimate customers served by the combined networks of the Commission and the municipally owned systems was 1,674,062.

The value of fixed assets at cost was increased during the year by \$197,612,118 and at December 31 amounted to \$1,930,606,714. Total assets after deducting the accumulated depreciation on fixed assets were \$2,254,503,479.

The average number employed by the Commission over the twelve-month period was 19,597, of whom 14,172 were regular staff and 5,425 were temporary employees, for the most part construction workers.

GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the eight sections and four appendices of the Report which follow. Operations, finance, customer relations, and frequency standardization are the subjects of the first four sections and their related appendices. The narrative in Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports of weather conditions, maintenance, communications, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's balance sheets, statements of financial operations, and tables showing the funded debt and advances from the Province of Ontario. Appendix II includes supporting schedules and accounts in addition to the statements of reserves, sinking fund equity, and cost of power. In Section III consideration is given first to the supply of power in wholesale quantities to municipal and direct industrial customers and to the rural power district. Subsequently the retail aspects of service to customers in the rural operating areas are treated in some detail under the heading Rural Electrical Service in Section III, and in Appendix III. Another subsection of Section III, in the form of reports from the regions, deals with certain activities relative to service in municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff. Frequency standardization is the subject of Section IV, but the financial aspects of this project are included in Section II with the discussion of financial activities in general.

Engineering and construction activities are discussed in the two sections that follow. Section V deals with the planning and construction of facilities for the delivery of power. It includes descriptions of the more important construction

projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section VI contains reports on the progress of some of the investigations being conducted by members of the Commission's Research Division.

Section VII deals with aspects of employee relations and related subjects. Appendix IV deals with legislation relative to the Commission's affairs, and reports on other legal matters.

The largest section in the Report, Section VIII, is entitled Municipal Electrical Service. It comments briefly on the retail operations and financial status of the municipal electrical utilities. The commentary on retail operations, however, includes those services provided by the Commission through Commission-owned local municipal systems. The four statements that complete the section give balance sheets, operating statements, rates, and other statistical information relating to services in the municipalities supplied by the Commission. The first two statements include only the municipal utilities; the others include also the local systems.

SECTION I

OPERATION OF THE SYSTEMS

DURING 1957 power requirements continued to increase at satisfactory rates in all three operating systems, although the 6.0 per cent rate of increase in the systems as a whole fell somewhat short of the 1922-1957 long-term rate of 6.6 per cent. This was to some extent a reflection of the levelling off in the growth in productive output that had begun earlier in the year. The unusually mild weather prevailing during the December peak-load period was also a contributing factor. The effect was not apparent in the two northern divisions where there were substantial increases in rates of growth over the rates in 1956, but a small decline in rate of growth in the Southern Ontario System which represents about 80 per cent of the total was sufficient to outweigh these substantial increases.

The summary statistical table on page 11 indicates a 6.4 per cent or 292,000-kilowatt expansion in the capacity of the Commission's systems to meet increased requirements for power. The major contributions to this expansion were made by the placing in service of one of four additional units being installed at Sir Adam Beck-Niagara Generating Station No. 2 and the initial operation of the associated pumping-generating station where three of six planned units were placed in service. A second unit placed in operation at the main generating station in December was not available at the time of the annual peak. No new generating stations were built in the Northeastern Division but the benefits of expanded resources in the Southern Ontario System were made available to the Division through interconnection facilities. Two new power developments at Whitedog Falls and Caribou Falls



WHITEDOG FALLS GENERATING STATION—A new power development on the Winnipeg River in northwestern Ontario is an important addition to the Commission's resources. Three generating units, each with a capacity of 18,000 kilowatts, will be in service early in 1958.

were the centre of major construction activity in the Northwestern Division. These developments and extensions at three other stations in the same Division will come into service progressively beginning early in 1958.

As used in this section of the Report, capacity, expressed in kilowatts, is the measure of the capability of resources at the time the system power requirements reach an annual maximum in December. The customer's use of the available power is measured in kilowatt-hours. In order to meet customer requirements the Commission's resources, including sources of purchased power, were called upon to generate 7.3 per cent more kilowatt-hours in 1957 than in 1956. This increase, like the increase in peak, fell somewhat short of last year's 9.8 per cent. The term "requirements" represents the maximum that resources would be required to generate in meeting all primary commitments. If the available supply should exceed requirements, the surplus may be disposed of in the secondary market. During 1957 about 12 per cent of the total energy generated and purchased was secondary or surplus sales.

In 1957 the total kilowatt-hour output of the Commission's resources amounted to 31.1 billion kilowatt-hours, of which about 84 per cent was generated in the Commission's 64 hydro-electric and 5 thermal-electric stations. The total kilowatt-hour output of all resources was 5.3 per cent greater than in 1956. The table on pages 206 and 207 indicates the contributions made to this total by particular stations and suppliers.

Stream-Flow and Storage Conditions

Water supply was reasonably good during 1957 although the lack of snow cover in the southern and northeastern watersheds markedly affected the freshet. Stream-flows were augmented by accelerated withdrawal from storage during the early part of the year but did not reach normal springtime proportions. Subnormal run-off conditions prevailing in the northwest during 1956 persisted until mild weather in late April brought about a brief freshet. Heavy rains occurring in June and July in the northwest and in June and September elsewhere in the Province were sufficient to offset the effect of a relatively dry summer. Except for the English and Albany River watersheds, where storage continued below

POWER SUPPLY STATISTICS—1957

(Figures for 1956 and Per Cent Change in *Italic Type*)

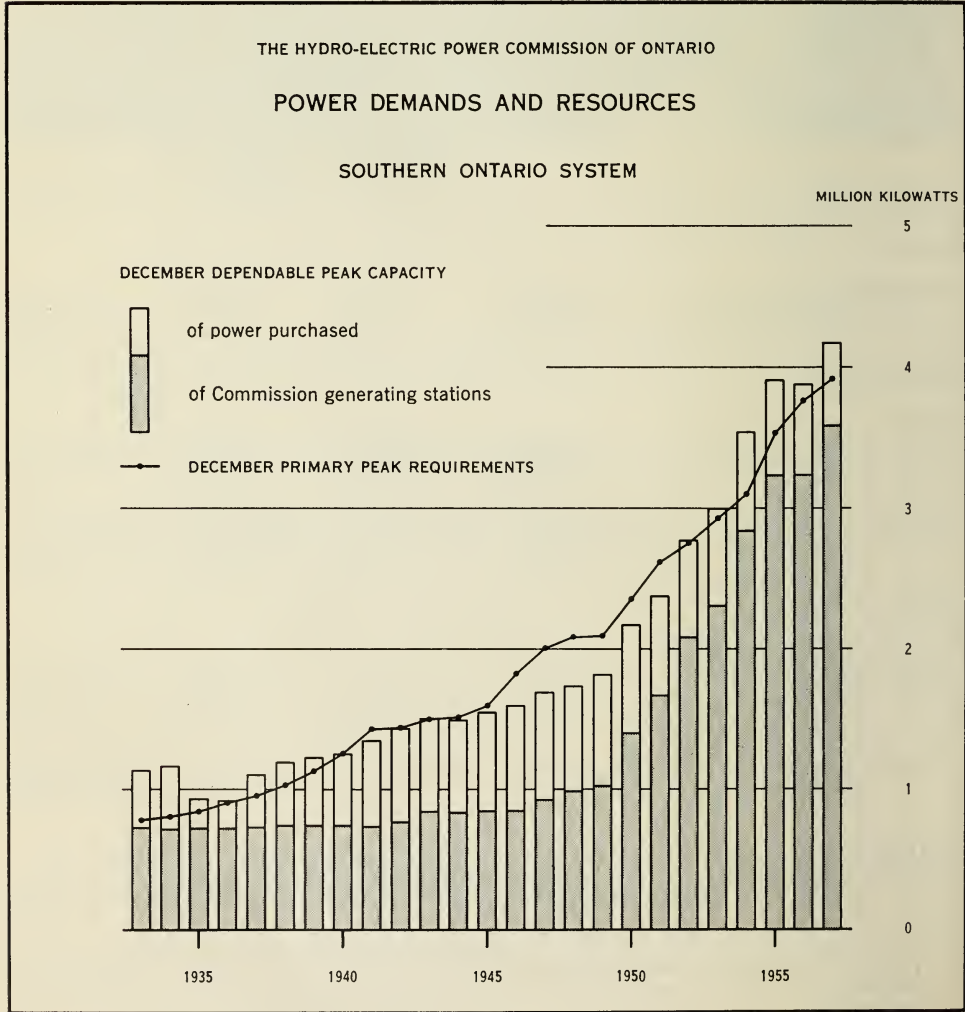
	Southern Ontario System	Northern Ontario Properties		Total
		NORTHEASTERN DIVISION	NORTHWESTERN DIVISION	
Resources				
Dependable peak capacity	4,174,400	300,400	369,300	4,844,100
—December (kilowatts)	<i>3,881,400</i>	<i>299,900</i>	<i>370,800</i>	<i>4,552,100</i>
	+7.5%	+0.2%	-0.4%	+6.4%
Requirements				
PRIMARY				
Peak—Annual maximum	3,917,464	459,117	406,880	*4,783,461
(kilowatts)	<i>3,767,480</i>	<i>393,625</i>	<i>356,737</i>	<i>*4,514,449</i>
	+4.0%	+16.6%	+14.1%	+6.0%
Energy—Total annual	22,076,428,819	2,791,545,958	2,536,961,644	27,404,936,421
(kilowatt-hours)	<i>20,813,014,384</i>	<i>2,459,409,770</i>	<i>2,264,861,866</i>	<i>25,537,286,020</i>
	+6.1%	+13.5%	+12.0%	+7.3%
Loads				
PRIMARY AND SECONDARY				
Peak—Annual maximum	4,104,579	459,117	406,880	*4,970,576
(kilowatts)	<i>4,160,925</i>	<i>393,625</i>	<i>356,737</i>	<i>*4,909,104</i>
	-1.4%	+16.6%	+14.1%	+1.3%
Energy—Total annual	25,716,135,919	2,819,625,136	2,564,995,704	31,100,756,759
(kilowatt-hours)	<i>24,695,120,284</i>	<i>2,527,952,150</i>	<i>2,300,474,432</i>	<i>29,523,546,866</i>
	+4.1%	+11.5%	+11.5%	+5.3%
PRIMARY ONLY				
Energy—Total annual	22,076,428,819	2,791,545,958	2,536,961,644	27,404,936,421
(kilowatt-hours)	<i>20,812,985,684</i>	<i>2,459,409,770</i>	<i>2,264,858,942</i>	<i>25,537,254,396</i>
	+6.1%	+13.5%	+12.0%	+7.3%

*These annual maxima are the arithmetic sums of the three non-coincident system peaks in December. In the two northern divisions the annual maximum does not necessarily occur in December.

normal throughout the late summer and fall, better than normal reservoir levels obtained over most of the Province. In future years flow conditions on the English River will be much improved by the diversion of water from the Albany River by way of the Root River and Lac Seul. Following the breaching of the intervening height of land, the canal making this diversion possible was opened on October 25.

SOUTHERN ONTARIO SYSTEM

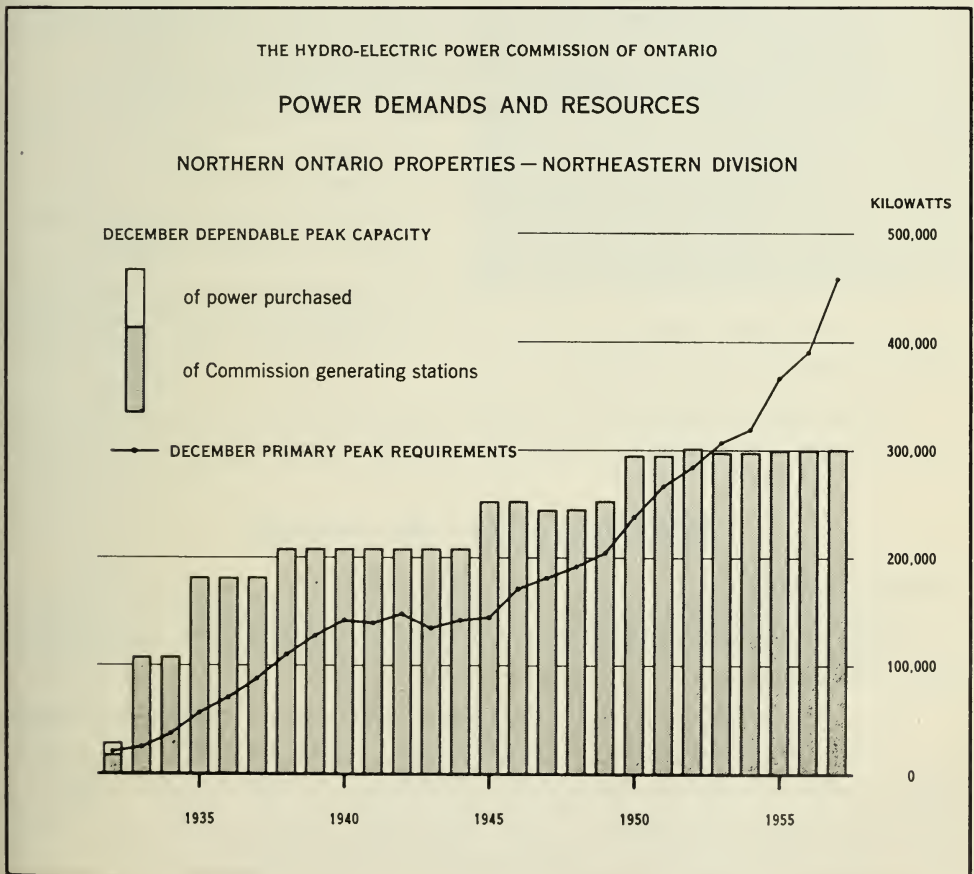
Interconnections with other utilities were of material assistance to the Commission on two occasions during the year, one at the time of high requirements in January and the other under adverse wind conditions in April. On the latter occasion, flow in the Niagara River was the lowest on record for the April-October period since the new treaty governing water diversion went into effect in 1950. To offset severe reductions in the output of the Niagara River stations the

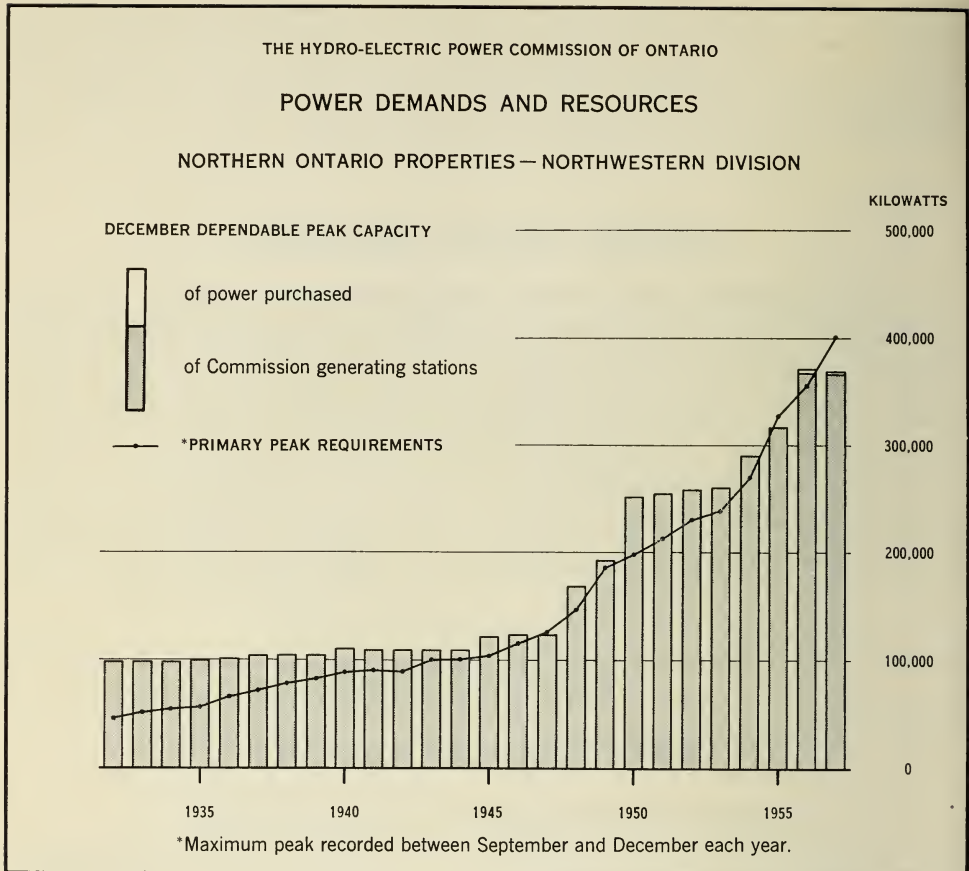


Commission's thermal-electric stations were operated at capacity, and substantial purchases were made from The Detroit Edison Company and from the Niagara Mohawk Power Corporation. The latter, in turn, was assisted by utilities in Pennsylvania, New Jersey, and the New England States.

NORTHERN ONTARIO PROPERTIES

Peak requirements both in the Northeastern and Northwestern Divisions showed greater annual increases than in 1956. The rates of growth were respectively 16.6 and 14.1 per cent. Energy requirements, up 13.5 per cent in the Northeastern Division and 12.0 per cent in the Northwestern Division, also showed very satisfactory growth. In the Northeastern Division it was considerably more than in the previous year. In the Northwestern Division an accelerating rate of growth during the second half of the year was not quite sufficient to offset a levelling off in the first half and the annual rate of growth was slightly lower than that in 1956.





The interconnection with the Manitoba Hydro-Electric Board served to augment Commission resources so that more economical use could be made of water in storage in Lake Nipigon.

The lines between the Southern Ontario System and the Northeastern Division were used almost exclusively throughout the year to transfer power to the north.

MAINTENANCE OF THE SYSTEMS

Mechanical Maintenance

Annual inspection and maintenance of hydraulic equipment was carried out on satisfactory schedules.

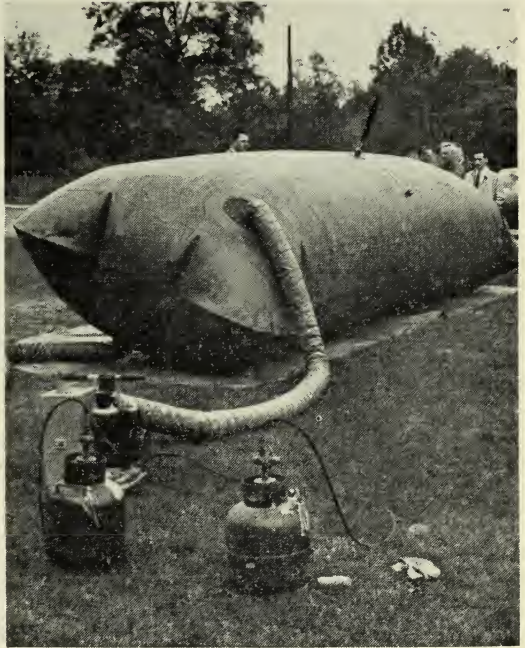
Five large turbine runners at Sir Adam Beck-Niagara Generating Station No. 2 and four at Otto Holden Generating Station were given their first welding repairs. Extensive welding repairs were also made to a large turbine runner at Pine Portage Generating Station. At Sir Adam Beck-Niagara Generating Station No. 1 where two water-lubricated lignum-vitae bearings were replaced in 1956

by oil-lubricated babbitted bearings, plans are under way to modernize four other units in the same way. Similar changes will be made to two units at DeCew Falls Generating Station.

Electrical Maintenance

In addition to routine field maintenance of electrical equipment, major repairs were made on a number of large rotating machines and transformers—to the stator winding of a 100,000-kva turbo-alternator and to the rotor circuits of two 48,000-kva synchronous condensers and four large hydraulic generators. Twenty-four 115-kv power transformers were given major repairs, seven following failure in service and the others prior to being relocated.

For the temporary storage of insulating oil during field installation or repair of equipment, the use of 5,000-gallon collapsible neoprene tanks has been introduced. A tank of this kind, being conveniently portable, will serve the purpose of several permanent steel installations. It is especially suitable for handling oil from large transformers from which the oil is only infrequently removed, perhaps at intervals of five years or longer.



Field demonstration of a collapsible neoprene oil tank with a 5,000-gallon capacity. It will provide temporary storage for oil removed from transformers undergoing maintenance or repair.

Lines and Communications

Routine maintenance of the 14,000 route miles of transmission line has three principal aspects—line and tower rehabilitation, line patrol, and line clearing or forestry work. The statistics that follow give some indication of the extent of the work involved. Some of the more unusual features of the year's activity are singled out for comment.

Experimental techniques developed and perfected in previous years have been given wide usage. Live-line work was undertaken on many 230-kv lines as routine. For example, on the double-circuit tower line from Richview Transformer Station to Burlington Transformer Station and from there to Horning Mountain Junction,



A. W. MANBY SERVICE CENTRE — The Commission's extensive requirements of materials and service are met from a service centre located in western Metropolitan Toronto. Spread over 180 acres, the Centre houses stores, service shops, and transport. During 1957 materials valued at more than \$25 million were issued from its central stores.

suspension clamps and vibration dampers on some 200 towers were replaced with new-type low-loss hardware especially adapted for live-line installation. Insulator washing with water under high pressure is now extensively undertaken on routine schedules in areas of heavy contamination.

During 1957 the maintenance crews in the various regions replaced over 14,000 poles, including 3,000 transmission, 11,000 distribution, and nearly 300 communication poles. Nearly 300 steel towers were cleaned and painted during the year. Part of this work was done by linemen rather than by temporary workers to avoid removing the lines from service.

The Commission now operates six helicopters for line maintenance patrol and brush spraying. These machines were in flight for a total of 3,300 hours patrolling over 153,000 circuit miles of high-voltage line, and in the two northern regions spraying some 2,000 acres of right of way.

The use of chemicals to control brush growth, begun on an experimental basis ten years ago, has been continuously expanded until in 1957 more than 37,000 acres were so treated. About 5,100 acres in all systems were sprayed from the air.

Tree pruning was carried out to provide line clearance on more than 11,200 miles of transmission and Commission-owned distribution lines in operation, and on 1,120 additional miles of lines under construction or municipally owned. As part of the general conservation program, 92,000 seedling trees were planted on Commission properties in the Niagara, Eastern, Georgian Bay, and Northeastern Regions.

Transport and Work Equipment

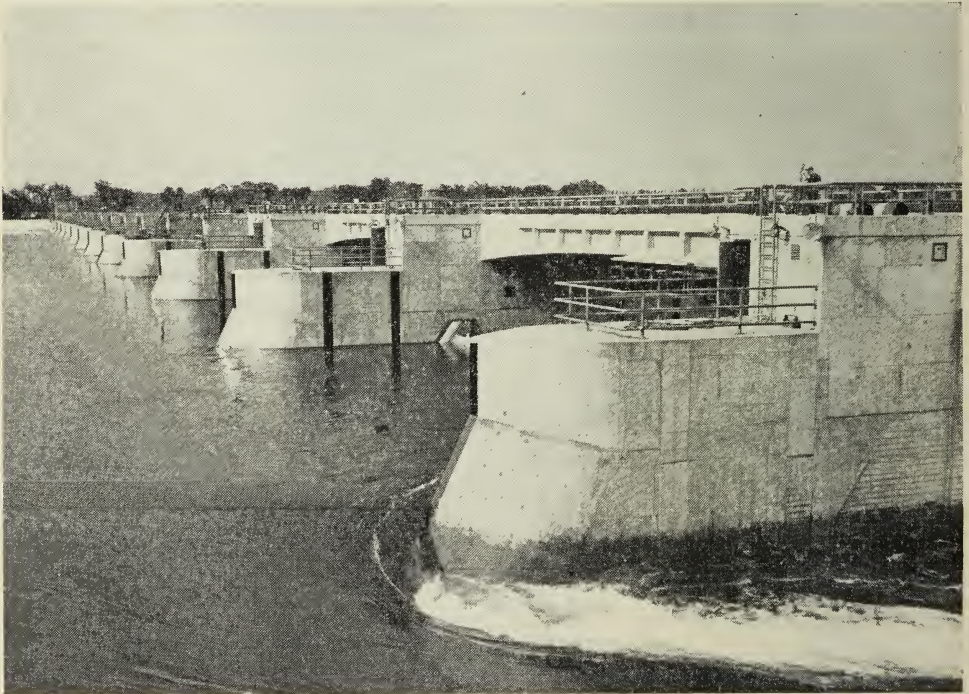
Some 2,500 units of transport equipment and 1,800 units of work equipment are now centrally controlled from the A. W. Manby Service Centre. These vary in size from a small ½-ton trailer to a 500-horsepower rubber-tired scraper capable of moving 30 yards of coal. Central control has resulted in improvement in inspection and maintenance and economy in repair costs. It has also facilitated the standardization and development of equipment in collaboration with manufacturers.

SECTION II

FINANCE

THIS section of the Report, together with Appendix II, deals with the financial operations of the Commission as they relate to the Southern Ontario System and the Northern Ontario Properties. The collective financial results of municipal utility operations are reported in Section VIII.

The Commission's revenue is derived from three principal sources—municipal utilities purchasing power for resale, industrial customers served directly by the Commission, and other customers served by Commission-owned distribution



GRASS ISLAND CONTROL DAM — Water sweeps around the end pier of the completed control dam located in the Niagara River about a mile up stream from the falls. The operation of the dam permits greatly increased diversion of water for power purposes without adversely affecting levels in the Chippawa-Grass Island pool.

facilities. The amounts received from each of these groups is recorded in the two statements of operations on pages 28 and 29. The difference between the revenue received and the cost of providing service, established at the year end, amounted in total to \$3,867,790 in 1957. This was credited, \$3,427,495 to the cost-contract municipalities in the Southern Ontario System, \$144,920 to the cost-contract municipalities in the Northern Ontario Properties, and the remainder to the Rural Power District stabilization of rates reserve and to the surplus account for the Province of Ontario for these phases of the operations.

In addition to the two statements of operations, Section II includes two balance sheets, a statement of funded debt, and a schedule of the Provincial advances outstanding. Supporting schedules for the basic statements included in Section II are to be found in Appendix II, beginning, for the Southern Ontario System, on page 222 and, for the Northern Ontario Properties, on page 256. The two statements of the cost of power in Appendix II itemize for each cost-contract municipality its share of the total costs incurred and its contribution under interim rates to the Commission's revenue.

OPERATING RESULTS—1957

Gross revenue received in 1957 amounted to \$200,796,472, which exceeded the previous year's revenue of \$186,311,140 by 7.8 per cent. The cost of providing service rose by 8.1 per cent from \$182,243,556 in 1956 to \$196,928,682 in 1957. About 60 per cent of the total cost in 1957 represents charges for interest, depreciation on fixed assets, amortization of the cost of frequency standardization, and provision for reserves.

The reserve provisions in 1957 included \$15,150,525 in sinking fund contributions for the retirement of debt, offset to the extent of \$1,028,508 by credits representing sinking fund contributions on certain assets now matured or fully prepaid. A reserve of \$4 million was set aside for the purpose of meeting the costs of the program of nuclear power research which are estimated at \$8.5 million for the four-year period 1957-1960. Of this amount, \$1.3 million was spent prior to December 31, 1957. Since the work is developmental, the cost is not added to the value of fixed assets but charged to the reserve. Earnings, which reflect high loads in 1957, were also considerably enhanced by the effect of favourable stream-flows. An abundance of water not only increases revenue through the sale of surplus hydro-electric energy, but also permits a reduction in the amount of coal burned at the thermal-electric stations. It was thought prudent, therefore, to allocate \$5,168,263 of earnings as a hedge against future years when unfavourable stream-flows would reverse the situation. The allocation was made on the basis of \$1.50 per kilowatt on the loads of system customers.

The strength of the Commission's reserve position, as a reflection of general financial stability, has an important bearing on its success in borrowing funds by the issue of debentures. For this and other reasons the adequacy of reserves is, therefore, under continuous review. In addition to the contingencies discussed in the preceding paragraph, there is always the possibility that loads may fall short of expected growth, leaving substantial generating and supply capacity unused;

the Commission, too, must provide from its own funds for the replacement of plant damaged by catastrophe since only turbines, generators, and boilers used in the production of thermal-electric power are insured with outside agencies; provision must also be made for fluctuation in the market value of securities in which the reserve is invested, and for the effect of the exchange rate on the Commission's debt payable in United States funds. The evaluation of all these factors is, as far as possible, a continuous process. The Commission's financial consultants, Clarkson, Gordon & Co., have recently confirmed that the Commission's reserves are reasonable on the basis of the foregoing considerations.

SOUTHERN ONTARIO SYSTEM

Gross revenues in the Southern Ontario System were 6.5 per cent higher than in 1956, rising from \$158,509,663 to \$168,874,761. The cost of providing service rose by 6.9 per cent from \$154,736,962 to \$165,435,209. Just over half the increase was in operating expenses which, including the cost of power purchased, were up by 9.3 per cent or \$5,514,768. The remainder of the increase includes \$3,309,485 in interest and depreciation charges on the expanding investment in fixed assets, and \$1,873,994 in provision for specific contingencies, the liquidation of frequency standardization costs, and the amortization of debt.

A total of 119 municipalities received credits with respect to matured sinking fund. The cost of power ceiling was established at \$46.23 per kilowatt by the



SIR ADAM BECK-NIAGARA GENERATING STATIONS — An aerial view of the two main generating stations and the pumping-generating station. At times of high demand the water impounded in the reservoir will be used to operate units, first at the pumping-generating station, and then at the main powerhouses.

application of \$18,441 in interest accumulated on the fund previously set aside for this purpose. A reduction in cost to this ceiling was made in 19 municipalities. The corresponding ceiling in 1956 was \$46.53. The average cost of power to municipalities in the Southern Ontario System in 1957 was \$36.86 per kilowatt as compared with \$37.16 in 1956.

**Table of Expenditures by The Hydro-Electric Power Commission of Ontario
on Frequency Standardization**

	Prior to 1957	During 1957	Total at Dec. 31, 1957	Amounts amortized or to be amortized
	\$	\$	\$	\$
Standardization of customers' equipment and system facilities (charged to frequency standardization account) . . .	264,730,244	47,867,461	312,597,705	132,399,720
Standardization of rural and local distribution facilities (charged to rural and local operations, maintenance, and administrative expense)	1,284,201	325,291	1,609,492	1,609,492
	266,014,445	48,192,752	314,207,197	134,009,212
Expenditures on inventory of equipment, supplies, and other assets	15,619,143	7,437,670	8,181,473	..
Amount to be written off in future years	..	..	..	180,197,985
Value of equipment, supplies, and other assets for future standardization work	..	..	..	8,181,473
Total expenditures	281,633,588	40,755,082	322,388,670	322,388,670

NOTE: Does not include expenditures of \$355,055.03 applicable to the Northern Ontario Properties.

The cost of work done in frequency standardization during the year was \$48,192,752. An amount of \$9,412,801 plus interest of \$6,484,900 to finance the frequency standardization account was charged to the cost of power, and \$325,291 spent on standardization of rural facilities was recovered from rural revenues. The amount to be written off in future years was increased by \$38,454,660. At the end of 1957 it was \$180,197,985.

NORTHERN ONTARIO PROPERTIES

Gross revenues in the Northern Ontario Properties rose from \$27,801,477 in 1956 to \$31,921,710 in 1957, an increase of 14.8 per cent. The most substantial increase was the 19 per cent growth in rural revenues which was accompanied by only a 6.5 per cent increase in cost of providing rural service. The result was a considerable improvement in rural financial operations.

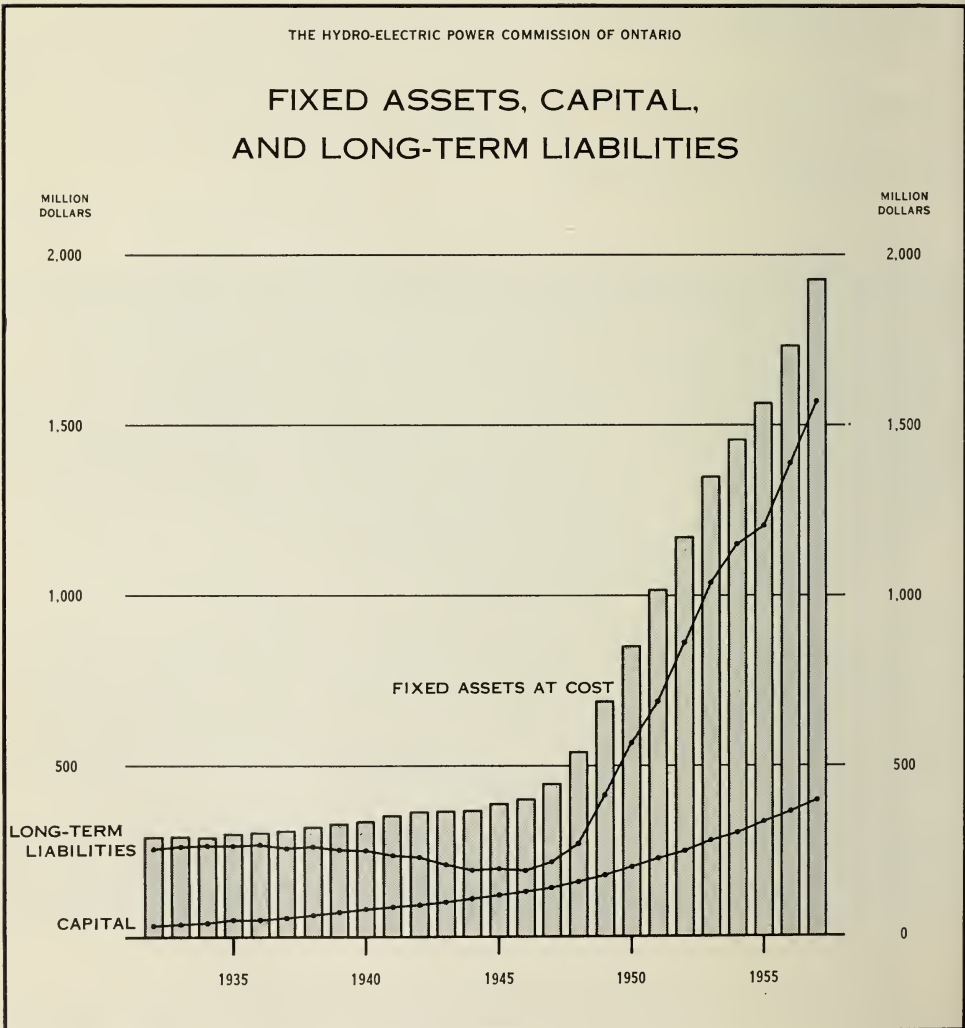
The total cost of providing service to all customers in the Northern Ontario Properties was \$31,493,473 after applying credits amounting in total to \$720,693 resulting from sinking fund matured or prepaid. A large part of the 14.5 per cent rise in cost reflects larger amounts of power purchased and increased operation charges which amounted to \$15,454,176 in 1957 as compared with \$12,715,170 in 1956. Provisions for interest, depreciation, and sinking fund were up variously from 8 to 9 per cent in accordance with the growth in physical assets. The levy

for rates stabilization was reduced to \$2.00 per kilowatt, but because of load growth the total allocation remained approximately the same.

Frequency standardization was begun in the Northern Ontario Properties in 1957. The accumulated cost of \$355,055 has been charged to the cost of operations.

SUMMARY OF FINANCIAL POSITION

The gross expenditure on fixed assets during the year amounted to \$208,691,262, of which 73 per cent was spent on generating facilities. The major areas of expenditure were the St. Lawrence Power Project, Sir Adam Beck-Niagara Generating Station No. 2, Richard L. Hearn Generating Station, and Caribou Falls Generating Station. Additional or improved rural facilities represent \$17,482,150, or about 8 per cent of the total gross expenditure. After allowing for sales and retirements amounting to \$11,079,144 there was a net increase in investment in fixed assets of \$197,612,118, bringing the total to \$1,930,606,714. This total



includes \$224,931,491 in rural fixed assets. Accumulated depreciation had been provided on the total fixed assets to the extent of \$207,949,024.

Funds were made available for this and other increases in asset accounts, first by the issue of debentures in the principal amount of \$200 million. The Province contributed a further \$7,359,099 as its share of the cost of rural capital construction. The remaining funds were provided from internal resources. The long-term debt at December 31, 1957 was \$1,572,600,993 as compared with \$1,392,492,740 at December 31, 1956.

Sinking fund reserves in the amount of \$270,342,083 have been used over the years to retire part of the Commission's long-term debt and are shown on the balance sheets as capital.

The total assets of the Commission at December 31, 1957 after deducting depreciation and the intersystem account were \$2,254,503,479 as compared with \$2,010,680,078 at December 31, 1956.

THE HYDRO-ELECTRIC POWER
SOUTHERN
BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power System.....	\$ 1,383,937,502
Administrative and service buildings and equipment.....	27,373,875
Rural Power District.....	191,661,275

	\$ 1,602,972,652
Less accumulated depreciation.....	171,177,954

\$ 1,431,794,698

FREQUENCY STANDARDIZATION:

Equipment, supplies, and other assets for future standardiza- tion work.....	\$ 8,181,473
Cost of completed standardization after charging \$132,399,720 to reserves and cost of power—balance to be written off in future years.....	180,197,985

188,379,458

CURRENT ASSETS:

Cash on deposit with banks and trust companies.....	\$ 15,000,000
Temporary investments in government securities at market value.....	500,000
Working funds.....	199,353
Power accounts receivable.....	19,642,668
Other accounts receivable.....	5,484,684
Rural Power District grants receivable.....	1,821,822
Interest accrued on investments held for general reserves...	886,998
Customers' securities on deposit.....	240,100
Prepayments and sundry deposits.....	144,939

43,920,564

INVENTORIES HELD FOR CONSTRUCTION AND MAINTENANCE:

Materials and supplies at cost.....	\$ 33,239,874
Tools and equipment at cost less depreciation.....	12,924,304

46,164,178

DEFERRED CHARGES AND OTHER ASSETS:

Debenture discount and expense less amounts written off...	\$ 17,587,520
Agreements, mortgages, and sundry investments.....	158,280
Exchange discount on funded debt.....	4,067,570
Accounts receivable in annual instalments.....	1,045,751
Deferred work orders and other assets.....	4,636,628

27,495,749

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds (approximate market value \$184,908,000)	
Investments held for special reserves (at amortized cost plus accrued interest)	
Pension fund.....	\$ 84,077,846
Employer's liability insurance fund.....	3,285,153
Savings and insurance fund.....	791,214
Investments held for other reserves (at amortized cost)	
Stabilization of rates and contingencies.....	91,886,553
Sinking fund.....	11,315,536

191,356,302

\$ 1,929,110,949

Auditors' Report

We have examined the balance sheet of the Southern Ontario System of The Hydro-Electric Power Commission of Ontario as at December 31, 1957, and the statement of operations for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations present fairly the financial position of the Southern Ontario System of the Commission as at December 31, 1957 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
June 12, 1958.

COMMISSION OF ONTARIO
ONTARIO SYSTEM
 AS AT DECEMBER 31, 1957

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)

including \$1,313,451 maturing in 1958:	
Funded debt.....	\$ 1,526,123,500
Less—issued to finance Northern Ontario Properties, a separate trust operated by the Commission.....	225,729,545
	<u>\$ 1,300,393,955</u>
Advances from the Province of Ontario.....	\$46,477,493
Less advances for Northern Ontario Properties.....	8,193,609
	<u>38,283,884</u>
	<u>\$ 1,338,677,839</u>

CURRENT LIABILITIES:

Bank overdrafts.....	\$ 1,567,663
Accounts and payrolls payable and accrued charges.....	34,011,071
Customers' deposits.....	796,128
Interest accrued on long-term liabilities.....	13,396,166
Northern Ontario Properties—current account.....	9,130,921
	<u>58,901,949</u>

SPECIAL RESERVES:

Pension fund.....	\$ 84,095,513
Employer's liability insurance fund.....	3,171,655
Savings and insurance fund.....	792,234
Exchange premium received on funded debt.....	4,803,858
	<u>92,863,260</u>

GENERAL RESERVE:

Stabilization of rates and contingencies.....	108,549,907
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CAPITAL:

Sinking fund reserve:	
Represented by—	
Funded debt and Provincial advances retired through sinking funds.....	\$223,289,673
Sinking fund investments.....	11,307,232
	<u>\$ 234,596,905</u>
Contributed capital:	
Province of Ontario, assistance for rural construction..	95,521,089
	<u>330,117,994</u>
	<u>\$ 1,929,110,949</u>

NOTE: Commitments under uncompleted contracts for the construction of fixed assets, approximately \$115,000,000.

NORTHERN

Held and Operated by The Hydro-Electric Power Commission of Ontario in

BALANCE SHEET

ASSETS

FIXED ASSETS AT COST:

Power System.....	\$ 291,983,602	
Administrative and service buildings and equipment.....	2,380,244	
Rural Power District.....	33,270,216	
	<u>\$ 327,634,062</u>	
Less accumulated depreciation.....	36,771,070	
	<u>\$ 290,862,992</u>	

CURRENT ASSETS:

The Hydro-Electric Power Commission of Ontario—current account.....	\$ 9,130,921	
Cash in banks.....	302,922	
Working funds.....	43,365	
Power accounts receivable.....	3,893,671	
Other accounts receivable.....	415,268	
Interest accrued on reserve fund investments.....	140,729	
Customers' securities on deposit.....	1,075,915	
Prepayments.....	2,599	
	<u>15,005,390</u>	

INVENTORIES HELD FOR MAINTENANCE:

Materials and supplies at cost.....	\$ 1,922,403	
Tools and equipment at cost less depreciation.....	496,754	
	<u>2,419,157</u>	

DEFERRED CHARGES AND OTHER ASSETS:

Debt discount and expense less amounts written off.....	\$ 2,751,872	
Exchange discount on funded debt.....	196,476	
Account receivable in annual instalments 1958-1989.....	1,870,962	
Deferred work orders and other assets.....	642,148	
	<u>5,461,458</u>	

RESERVE FUND INVESTMENTS:

Government and government-guaranteed bonds at amortized cost (approximate market value \$19,447,000)		
Held for—Stabilization of rates and contingencies reserve.....	\$ 14,158,597	
Sinking fund reserve.....	6,615,857	
	<u>20,774,454</u>	
	<u>\$ 334,523,451</u>	

Auditors' Report

We have examined the balance sheet of the Northern Ontario Properties, held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost, as at December 31, 1957, and the statements of operations and surplus for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statements of operations and surplus present fairly the financial position of the Northern Ontario Properties as at December 31, 1957 (subject to the trusts which prevail in respect thereto) and the results of the operations for the year ended on that date.

CLARKSON, GORDON & CO.

Chartered Accountants.

Toronto, Canada,
June 12, 1958.

ONTARIO PROPERTIES

Trust for the Province of Ontario and Municipalities Supplied with Power at Cost

AS AT DECEMBER 31, 1957

LIABILITIES, RESERVES, AND CAPITAL

LONG-TERM LIABILITIES (at par of exchange)

including \$199,615 maturing in 1958:

Funded debt.....	\$ 225,729,545	
Advances from the Province of Ontario.....	8,193,609	
		\$ 233,923,154

Representing the portion of the funded debt and advances from the Province of Ontario owing by The Hydro-Electric Power Commission of Ontario, issued to finance Northern Ontario Properties.

CURRENT LIABILITIES:

Accounts and payrolls payable and accrued charges.....	\$ 2,264,730	
Customers' deposits.....	6,218,015	
Interest accrued on long-term liabilities.....	2,255,824	
		10,738,569

SPECIAL RESERVES:

Frequency standardization.....	\$ 283,710	
Exchange premium received on funded debt.....	177,099	
		460,809

GENERAL RESERVE:

Stabilization of rates and contingencies.....		18,425,801
---	--	------------

CAPITAL:

Sinking fund reserve:

Province of Ontario.....	\$ 42,080,064	
Municipalities supplied with power at cost....	11,606,195	
		\$ 53,686,259

Represented by—

Funded debt and Provincial advances retired through sinking funds.....	\$ 47,052,410	
Sinking fund investments and cash.....	6,633,849	
		\$ 53,686,259

Contributed capital:

Province of Ontario, assistance for rural construction.....	16,563,248	
Surplus—Account of the Province of Ontario.....	725,611	
		70,975,118
		<u>\$ 334,523,451</u>

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
SOUTHERN ONTARIO SYSTEM
STATEMENT OF OPERATIONS
for the Year Ended December 31, 1957

	Power System	Rural Power District	Total
	\$	\$	\$
COST OF POWER:			
Cost of power purchased.....	12,908,943	.....	12,908,943
Interchange of power with Northern Ontario Properties.....	2,670,073	.....	2,670,073
Operation, maintenance and administrative expenses	43,111,793	11,533,507	54,645,300
Interest (including interest on funded debt and re- serves, less interest earned on investments)....	40,167,758	3,392,470	43,560,228
Frequency standardization:			
Interest.....	6,484,900	.....	6,484,900
Portion of cost written off.....	9,412,801	.....	9,412,801
Depreciation.....	9,915,359	6,312,053	16,227,412
Stabilization of rates and contingencies provision:			
General, including stream-flow variation.....	8,613,772	.....	8,613,772
Nuclear research.....	4,000,000	.....	4,000,000
Sinking fund provision—contribution to system capital.....	11,590,960	968,782	12,559,742
	143,536,213	22,206,812	165,743,025
Credit resulting from matured sinking fund.....	307,816	.....	307,816
	143,228,397	22,206,812	165,435,209
Cost of power supplied to Rural Power District....	15,745,116	15,745,116	.....
Total, including provision for stabilization of rates reserve.....	127,483,281	37,951,928	165,435,209
AMOUNTS BILLED:			
Municipalities (at interim rates).....	91,117,170	.....	91,117,170
Rural customers.....	.....	37,963,985	37,963,985
Direct industrial customers.....	39,704,888	.....	39,704,888
Local distribution system customers.....	88,718	.....	88,718
Total.....	130,910,776	37,963,985	168,874,761
Excess of amounts billed over cost of power.....	3,427,495	12,057	3,439,552
Credited to municipalities on annual adjustment...	3,427,495	.....	3,427,495
Credited to stabilization of rates reserve.....	.....	12,057	12,057

NORTHERN ONTARIO PROPERTIES

Held and operated by The Hydro-Electric Power Commission of Ontario in trust for the Province of Ontario and municipalities supplied with power at cost

STATEMENT OF OPERATIONS

for the Year Ended December 31, 1957

	Province of Ontario			Municipalities supplied with power at cost	Total
	Rural Power District	Other customers	Total		
COST OF POWER:	\$	\$	\$	\$	\$
Cost of power purchased.....		1,012,870	1,012,870		1,012,870
Interchange of power with Southern Ontario System.....		2,670,073	2,670,073		2,670,073
Operation, maintenance and administrative expenses.....	1,658,746	10,112,487	11,771,233		11,771,233
Interest (including interest on funded debt and reserves, less interest earned on investments).....	572,253	8,067,147	8,639,400		8,639,400
Frequency standardization provision.....		336,933	336,933		336,933
Depreciation.....	939,832	2,010,900	2,950,732		2,950,732
Stabilization of rates and contingencies provision.....		2,242,142	2,242,142		2,242,142
Sinking fund provision—contribution to system capital..	167,020	2,423,763	2,590,783		2,590,783
	3,337,851	28,876,315	32,214,166		32,214,166
Cost of power to municipalities supplied at cost.....		2,299,110	2,299,110	2,299,110	
Cost of power supplied to Rural Power District.....	1,842,082	1,842,082			
Credit resulting from prepaid and matured sinking fund.....		720,693	720,693		720,693
Total, including provision for stabilization of rates reserve....	5,179,933	24,014,430	29,194,363	2,299,110	31,493,473
AMOUNTS BILLED:					
Municipalities supplied with power at cost (at interim rates).....				2,444,030	2,444,030
Rural customers.....	4,500,441		4,500,441		4,500,441
Other customers.....		24,977,239	24,977,239		24,977,239
Total.....	4,500,441	24,977,239	29,477,680	2,444,030	31,921,710
Excess or deficiency of amounts billed over cost of power.....	679,492	962,809	283,317	144,920	428,237
Credited to municipalities on annual adjustment.....				144,920	144,920
Transferred to Surplus—Account of the Province of Ontario.....			283,317		283,317

**Statement of Surplus—Account of the Province of Ontario
for the Year Ended December 31, 1957**

Balance at credit January 1, 1957.....	\$ 442,294
Add net surplus from operations for the year ended December 31, 1957.....	283,317
Balance at credit December 31, 1957.....	\$ 725,611

THE HYDRO-ELECTRIC POWER FUNDED DEBT AS AT

Guaranteed as to principal and interest

Date of maturity	Callable at par on or after	Date of issue	Interest rate
			per cent
June 1, 1958	.....	June 1, 1918	4
December 1, 1958	.....	December 1, 1918	4
January 1, 1960	January 1, 1955	January 1, 1945	3
March 15, 1960	March 15, 1959(e)	March 15, 1954	2.60
March 15, 1961	March 15, 1959(e)	March 15, 1954	2.65
February 15, 1962	.....	February 15, 1957	4¾
March 15, 1962	March 15, 1959(e)	March 15, 1954	2.70
March 1, 1963	March 1, 1961	March 1, 1948	3
March 1, 1963	March 1, 1962	March 1, 1955	3
March 15, 1963	March 15, 1959(e)	March 15, 1954	2.75
March 15, 1964	March 15, 1959(e)	March 15, 1954	2.80
May 15, 1964	May 15, 1962	May 15, 1954	3
May 15, 1964	.....	November 15, 1957	5
July 2, 1964	July 2, 1960	July 2, 1948	3
October 15, 1964	October 15, 1963	October 15, 1956	4½
April 1, 1965	April 1, 1964	April 1, 1957	5
December 15, 1965	December 15, 1963	December 15, 1948	3
January 15, 1966	January 15, 1964	January 15, 1956	3¾
May 1, 1966	May 1, 1964	May 1, 1951	3½
January 15, 1967	January 15, 1965	January 15, 1952	4
March 15, 1967	March 15, 1964	March 15, 1953	4¼
April 1, 1967	April 1, 1964	April 1, 1947	2¾
April 1, 1967	April 1, 1965	April 1, 1949	3
November 1, 1967	November 1, 1964	November 1, 1952	4¼
November 1, 1967	November 1, 1964	November 1, 1952	4¼
January 15, 1968	January 15, 1966	July 15, 1949	3
April 15, 1968	April 15, 1966	April 15, 1952	4
October 1, 1968	October 1, 1965	October 1, 1947	2¾
July 15, 1969	July 15, 1966	July 15, 1953	4¼
July 15, 1969	July 15, 1966	July 15, 1953	4¼
November 1, 1969	November 1, 1967	November 1, 1949	3
January 1, 1970	.....	January 1, 1930	4¾
April 1, 1970	April 1, 1968	April 1, 1950	3
May 15, 1971	May 15, 1956(a)	May 15, 1951	3¼
June 1, 1971	June 1, 1961	June 1, 1946	2¾
September 1, 1972	September 1, 1956(a)	September 1, 1951	3¼
June 15, 1973	June 15, 1971	June 15, 1950	3
July 15, 1974	July 15, 1972	July 15, 1956	4
October 15, 1974	October 15, 1972	October 15, 1956	4½
February 1, 1975	February 1, 1958	February 1, 1953	3¼
August 15, 1975	August 15, 1972	February 15, 1957	4¾
January 15, 1976	January 15, 1974	January 15, 1956	4
November 15, 1976	November 15, 1974	November 15, 1957	5
March 1, 1977	March 1, 1975	March 1, 1955	3½
April 1, 1977	April 1, 1974	April 1, 1957	5
November 1, 1978	November 1, 1958(d)	November 1, 1953	3⅝
May 15, 1979	May 15, 1974	May 15, 1954	3½
October 15, 1979	October 15, 1974	October 15, 1954	3½
March 15, 1980	March 15, 1959(f)	March 15, 1954	3⅝
May 15, 1981	May 15, 1961(g)	May 15, 1956	3⅝

Total funded debt (at par of exchange).....

Summary of changes in funded debt

Outstanding at January 1, 1957.....	
Less redemptions during year.....	
Add new bond issues during year.....	
Outstanding at December 31, 1957.....	

Canadian.....	<i>Payable in the</i>
United States.....	

(a) Callable at 101. (b) Payable in U.S. funds. (c) Held by Province of Ontario and having terms identical with issues sold in the United States by the Province of Ontario, on behalf of the Commission.
 (d) Callable at 102½. (e) Callable at a premium of ¼% for each year or fraction thereof between call-date and maturity. (f) Callable at 103 prior to March 15, 1961, at ½% less during each three-year period prior to March 15, 1976, and thereafter at par. (g) Callable at 103½ prior to May 15, 1963, at ½% less during each three-year period prior to May 15, 1978, and thereafter at par.

COMMISSION OF ONTARIO

DECEMBER 31, 1957

by the Province of Ontario (except issues marked *)

Principal outstanding December 31, 1957

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
199,000	.....	199,000
79,000	.....	79,000
.....	7,200,000	7,200,000
3,500,000(b)	.....	3,500,000*(b) (c)
3,880,000(b)	.....	3,880,000*(b) (c)
9,700,000	3,000,000	12,700,000
3,850,000(b)	.....	3,850,000*(b) (c)
23,612,000	7,343,000	30,955,000
23,350,000	.....	23,350,000
3,580,000(b)	.....	3,580,000*(b) (c)
3,260,000(b)	.....	3,260,000*(b) (c)
13,327,500	1,500,000	14,827,500
4,125,000	9,625,000	13,750,000
26,186,500	13,600,000	39,786,500
13,250,000	.....	13,250,000
16,500,000	2,000,000	18,500,000
45,000,000	.....	45,000,000
12,055,000	2,500,000	14,555,000
24,000,000	6,000,000	30,000,000
47,875,000	1,650,000	49,525,000
38,500,000	.....	38,500,000
10,678,455	3,996,545	14,675,000
11,463,000	32,300,000	43,763,000
34,604,500	.....	34,604,500
21,470,500	2,250,000	23,720,500
37,000,000	6,300,000	43,300,000
49,948,000	.....	49,948,000
13,450,000	5,800,000	19,250,000
34,950,000	.....	34,950,000
24,893,000	.....	24,893,000
38,000,000	11,500,000	49,500,000
11,702,500	.....	11,702,500
48,500,000	5,300,000	53,800,000
47,000,000(b)	2,900,000(b)	49,900,000*(b) (c)
13,910,000	4,290,000	18,200,000
43,925,000(b)	.....	43,925,000*(b) (c)
52,000,000	2,300,000	54,300,000
42,670,000	7,000,000	49,670,000
26,750,000	.....	26,750,000
49,000,000(b)	.....	49,000,000*(b) (c)
25,300,000	12,000,000	37,300,000
42,500,000	7,500,000	50,000,000
10,875,000	25,375,000	36,250,000
27,000,000	13,000,000	40,000,000
73,500,000	8,000,000	81,500,000
45,000,000(b)	5,000,000(b)	50,000,000*(b) (c)
31,500,000	3,500,000	35,000,000
41,975,000	8,000,000	49,975,000
30,000,000(b)	.....	30,000,000*(b) (c)
45,000,000(b)	5,000,000(b)	50,000,000*(b) (c)
1,300,393,955	225,729,545	1,526,123,500

during year ended December 31, 1957

\$1,176,052,255	\$168,166,545	\$1,344,218,800
15,658,300	2,437,000	18,095,300

\$1,160,393,955	\$165,729,545	\$1,326,123,500
140,000,000	60,000,000	200,000,000

\$1,300,393,955	\$225,729,545	\$1,526,123,500
-----------------	---------------	-----------------

following currencies:

\$1,022,398,955	\$212,829,545	\$1,235,228,500
277,995,000	12,900,000	290,895,000

\$1,300,393,955	\$225,729,545	\$1,526,123,500
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THE HYDRO-ELECTRIC POWER
ADVANCES FROM THE PROVINCE OF

Repayable to the Province in accordance with the terms of Province

Date of maturity		Description	Interest rate
			per cent
May	15, 1958-1968.....	Annuity bonds	4
May	15, 1958-1970.....	Annuity bonds	4½
January	15, 1958-1971.....	Annuity bonds	4½
June	1, 1958-1971.....	Annuity bonds	4
May	1, 1959.....	Bonds	5
December	2, 1960.....	Bonds	5
Total advances (at par of exchange).....			

Summary of changes in advances from the Province

Balance of advances at January 1, 1957.....	
Less repayments during year.....	
Balance of advances at December 31, 1957.....	

COMMISSION OF ONTARIO

ONTARIO AS AT DECEMBER 31, 1957

of Ontario bonds issued in part for the purposes of the Commission

Balance of advances outstanding December 31, 1957
 (Payable in Canadian, United States, or Sterling funds)

Southern Ontario System	Northern Ontario Properties	Total
\$	\$	\$
5,315,267	358,988	5,674,255
4,540,876	1,100,471	5,641,347
2,548,106	625,921	3,174,027
3,239,368	1,195,470	4,434,838
11,129,972	2,328,952	13,458,924
11,510,295	2,583,807	14,094,102
<u>38,283,884</u>	<u>8,193,609</u>	<u>46,477,493</u>

of Ontario during year ended December 31, 1957

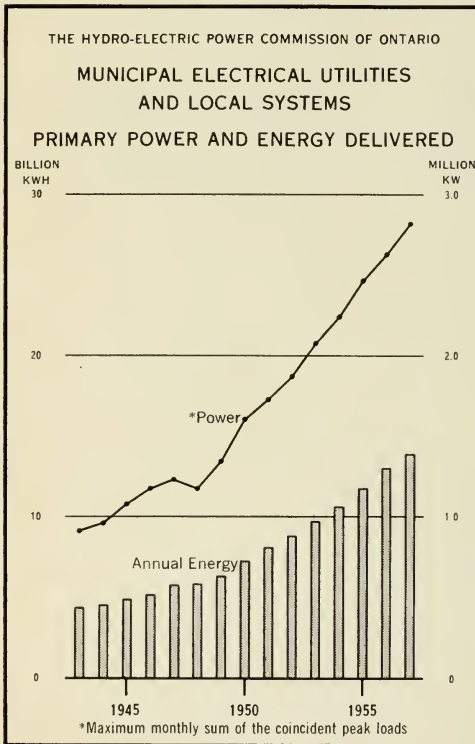
\$39,803,335	\$8,470,605	\$48,273,940
<u>1,519,451</u>	<u>276,996</u>	<u>1,796,447</u>
<u>\$38,283,884</u>	<u>\$8,193,609</u>	<u>\$46,477,493</u>

SECTION III

THE COMMISSION'S CUSTOMERS

THE table on page 209 indicates the disposition of the 28,514,158,510 kilowatt-hours of energy made available by the Commission during 1957. Of this total, 48.7 per cent was delivered to 351 municipal electrical utilities and 28 local systems

for the supply of their retail customers, 43.6 per cent was delivered to 219 direct industrial customers, and 7.7 per cent was delivered to the Commission's 104 operating areas for sale to rural customers.



This section of the Report deals, in general, only with this wholesale aspect of the Commission's operations. The brief commentary upon some of the utilities in the subsection entitled "Reports from the Regions" is confined largely to changes which are being made to distribution and operating facilities for the purpose of improving service. The Commission frequently provides engineering assistance for these changes and at the request of the utility may actually carry out the work involved.

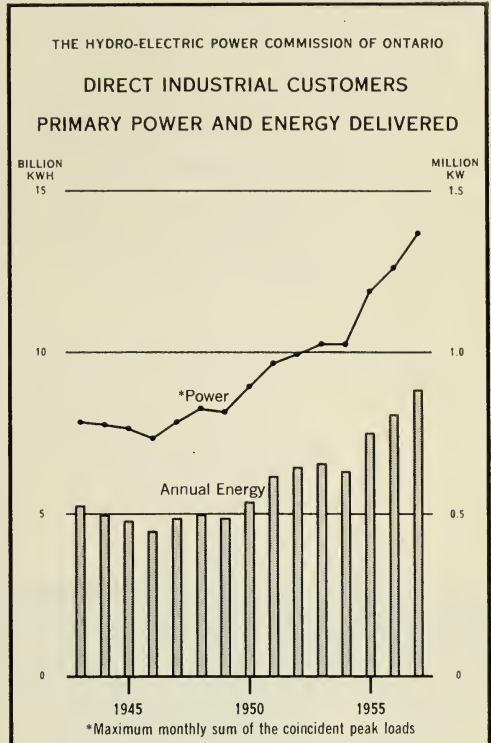
The retail distribution of electricity carried out by the municipal utilities is discussed in Section VIII where related statistical information is also

included. Since the distribution function undertaken by the Commission-owned local systems is very similar to that performed by the utilities, the two groups are combined for statistical purposes other than financial. The wholesale and retail aspects of the Commission's activities, however, cannot be separated conveniently. Rural electrical service, therefore, is treated as a whole in a subsection of Section III so designated. Supporting statistical tables, the schedule of rates, and a brief description of the classes of service may be found in Appendix III.

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

On January 1, 1957, Chalk River took over from the Commission the ownership and operation of the rural distribution facilities serving the village, and began taking power under a cost contract. The number of utilities served by the Commission under cost agreements was thereby increased to 333, including 325 in the Southern Ontario System and 8 in the Northern Ontario Properties. The number of local systems was reduced to 28 when Burlington Beach became part of the City of Hamilton.

The municipal utilities are billed monthly at an interim rate per kilowatt of peak load. The monthly peak load for any given customer represents the maximum average demand over a period of twenty consecutive minutes in the month. As the system peak load usually occurs in December, the peak loads for that month are given for municipal systems in the table of load statistics in Appendix I. The sum of these loads in 1957 was 2,824,187 kilowatts, an increase of 5.9 per cent over the 2,666,012 kilowatts supplied in 1956. The energy supplied to the municipal utilities and local systems in 1957 was 13,910,368,728 kilowatt-hours, an increase of 6.5 per cent over the corresponding figure for 1956.



DIRECT INDUSTRIAL CUSTOMERS

The industrial customers served directly by the Commission include mines in relatively isolated areas, and industrial customers of many types whose requirements for power may exceed the supply capability of the local rural or municipal facilities. The total number so served at the close of 1957 was 219 as compared with 206 at the close of 1956.

The sum of the coincident primary peak loads of these customers reached a monthly maximum in September at 1,370,993 kilowatts. This represents an 8.0 per cent increase over the December 1956 maximum of 1,269,310 kilowatts. The corresponding energy supplied during the year increased from 8,174,144,036

Primary Power and Energy Supplied to Direct Industrial Customers, By Types of Industry

Type of industry	Average of the monthly peak loads		Annual energy delivered		Increase or decrease per cent
	1956	1957	1956	1957	
	kw	kw	kwh	kwh	
Pulp and Paper.....	236,081	279,458	1,704,911,315	1,916,335,986	12.4
Mining:					
(a) Gold.....	85,458	85,570	575,907,284	573,939,308	0.4
(b) Silver and Cobalt.....	3,889	3,802	19,835,867	19,394,580	2.2
(c) Base Metals.....	211,436	221,886	1,459,623,851	1,535,692,618	5.2
(d) Uranium.....	10,230	40,547	58,737,254	250,475,754	326.4
(e) Non-Metals.....	5,609	6,150	26,238,479	28,908,098	10.2
Quarrying, Cement, and Basic Building Materials.....	32,018	40,851	198,373,667	245,695,773	23.9
Steel and Electro-Metallurgical.....	186,372	172,867	1,060,281,245	985,020,159	7.1
Abrasives.....	75,749	79,325	598,486,200	629,873,825	5.2
Chemical, Electro-Chemical, and Cyanamid.....	187,342	203,155	1,444,438,200	1,580,934,727	9.4
Grain Elevators and Milling.....	7,794	8,084	29,965,450	29,332,210	2.1
Transportation Services and Communications.....	5,019	7,867	27,052,453	38,338,502	41.7
Government Services and Institutions.....	24,938	23,484	109,240,886	113,900,363	4.3
General Manufacturing.....	85,511	93,750	407,881,951	435,674,754	6.8
Miscellaneous.....	64,052	68,568	453,169,934	483,062,888	6.6
Total.....	1,221,498	1,335,364	8,174,144,036	8,866,579,545	8.5

kilowatt-hours in 1956 to 8,866,579,545 kilowatt-hours in 1957. The accompanying table analyzes these peak and energy loads by types of industry. For this purpose averages of the twelve monthly peaks are used together with the energy figures as a measure of annual activity in a particular industry. In addition to the energy shown in the table, 3,534,183,894 kilowatt-hours of surplus energy were delivered to direct industrial customers, bringing the annual total supplied to 12,400,763,439 kilowatt-hours.

Analysis of Primary Loads

Energy consumption by industrial customers served directly by the Commission continued generally to increase at a rate only moderately (0.9 per cent) below that of 1956. The steel and electro-metallurgical industry and uranium mining were notable exceptions. The first, after two years of fairly rapid advance, declined by 7.1 per cent from the 1956 levels, while uranium mines consumed over four times as much energy in 1957 as in 1956. Accelerated growth was also apparent in the quarrying and construction materials group.

Over one-third of the total increase in energy consumption by industrial customers was in the mining industry, though base-metal mining showed a fairly sharp levelling off. The pulp and paper industry accounted for over 30 per cent of the increase and the chemical and electro-chemical industry for nearly another 20 per cent. These three industrial groups in that order were the major energy consumers. Together with the steel and electro-metallurgical industry they account for nearly 78 per cent of the energy supplied to the Commission's industrial customers.

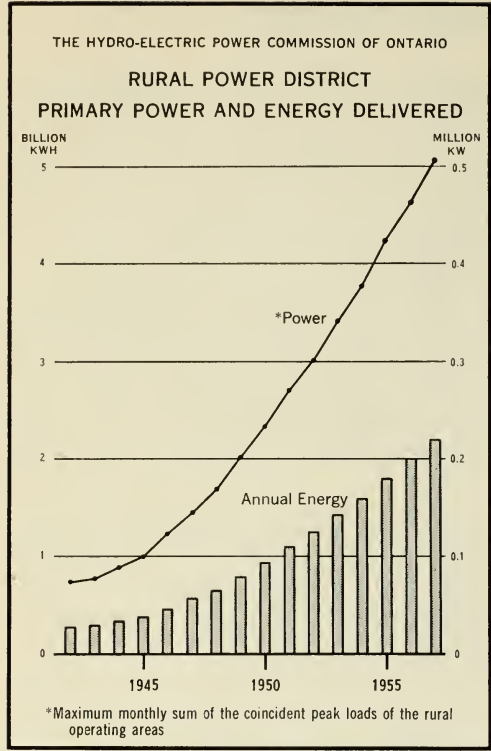
RURAL ELECTRICAL SERVICE

During 1957 there was a net increase of 883 miles in rural distribution lines in service. This is a substantially greater increase than in 1956. It is reflected in corresponding larger increases in numbers of customers for all services except summer service, which fell only slightly short of last year's total. The number of hamlet service customers rose sharply in both the north and the south, the rate of growth returning approximately to that established over the whole 1944-1957 period. The most notable increase both in the number of hamlet service customers and in total took place in the Northeastern Region. The Georgian Bay, East Central, and Eastern Regions, where the most extensive additions of line were undertaken, appropriately show the greatest increases in number of farm service customers. They also recorded substantial increases in the number of summer service customers.

At the end of 1957 a total of 453,611 customers were being served over 45,375 miles of rural primary distribution lines. Farm service customers represented approximately 31 per cent of the total served, while hamlet service and summer service customers were 43 per cent and 18 per cent respectively.



The automatic milking equipment shown here in use is only one of many major labour-saving devices by which electric power lightens manual work on the farm. While milking proceeds, the attendant is free to make entries in the daily records.



Load Growth

The monthly sum of the coincident peak loads of the rural operating areas was highest for the year in December when it reached 508,404 kilowatts. This represents an increase of 10.0 per cent over the maximum of 462,123 kilowatts in 1956. An equivalent increase in energy supplied to the areas raised the total by 10.1 per cent from 2,000,359,332 kilowatt-hours in 1956 to 2,203,026,343 kilowatt-hours in 1957.

All classes of rural service showed increases in consumption ranging from 6.7 per cent for farm service to 13.4 per cent for hamlet service, and for all except power service these increases were proportionally greater than the corresponding increases in numbers of customers served. The average consumption per customer, therefore, was

Rural Power District

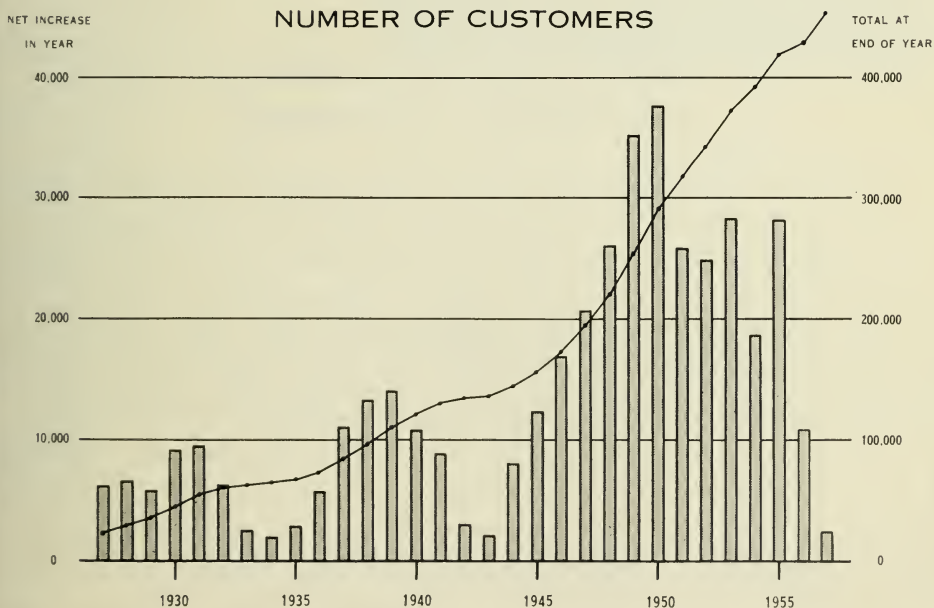
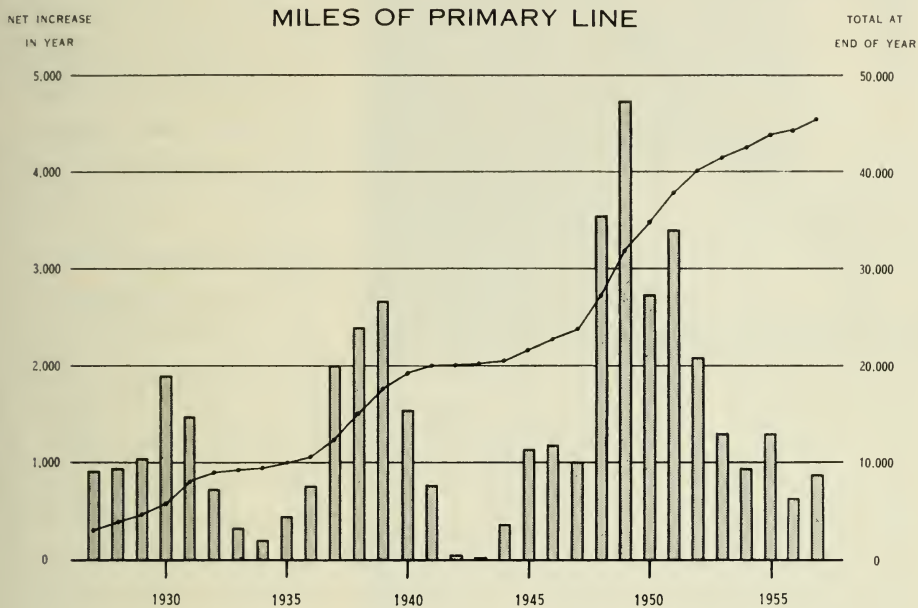
NET INCREASE IN MILEAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1957

System and Region	Miles of primary line	Number of customers						
		Farm	Hamlet	Com-mercial	Summer		Power	Total
					Com-mercial	Other		
SOUTHERN ONTARIO SYSTEM								
Western	42.89	144	1,980	151	12	220	47	2,554
West Central	37.62	8	1,980	144	5	238	33	2,408
Niagara	16.24	13	1,040	85	2	70	15	1,221
Toronto	26.26	48	1,064	131	1	1	24	1,265
Georgian Bay	175.21	368	1,088	132	108	2,252	5	3,953
East Central	206.92	243	1,903	184	56	1,460	18	3,864
Eastern	185.52	497	2,004	202	22	554	37	3,316
Total	690.66	1,321	11,059	1,029	200	4,793	179	18,581
NORTHERN ONTARIO PROPERTIES								
Northeastern	123.96	22	3,288	348	13	419	40	4,130
Northwestern	68.01	28	565	104	4	190	10	845
Total	191.97	6	3,853	452	17	609	50	4,975
Total—All systems	882.63	1,315	14,912	1,481	217	5,402	229	23,556

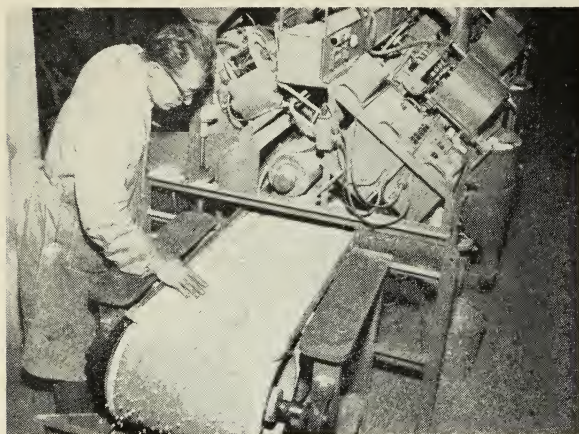
Italic figures indicate decrease.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

RURAL POWER DISTRICT



lower than in 1956 by a fraction of one per cent for power service but substantially higher for other classes of service. The major change was the 7.8 per cent growth in average consumption for hamlet service.



Electronic equipment is used in bean sorting at a modern plant. A final check is made as the product moves on a conveyor belt to the shipping department.

Of the five classes of service, hamlet service with a 10.5 per cent increase showed the largest growth in revenue. The customer's average cost per kilowatt-hour declined for four classes and remained virtually unchanged for power service.

Capital Investment

The net increase in the cost of rural distribution facilities amounted to \$14,843,-885 in 1957, of which the Provincial Government provided \$7,359,099 in accordance with The Rural Hydro-

Electric Distribution Act. Of the total investment in rural distribution facilities at the end of the year amounting to \$224,931,491, the Province had contributed \$112,084,337.

REPORTS FROM THE REGIONS AND SERVICES TO CUSTOMERS

A regional office is located in each of the nine regions of the Province in order to administer the affairs of the Commission effectively and to bring the public into close touch with its staff. These offices are located in the following municipalities: London, Hamilton, Niagara Falls, Toronto, Barrie, Belleville, Ottawa, North Bay, and Port Arthur. The regional manager and his staff, which includes representatives of the appropriate divisions of the Head Office organization, are responsible within the region for the day-to-day activities of the Commission.

A variety of services is made available to the utilities and to other Commission customers through the Commission's staff both in the regional offices and at Head Office. Some of these services are discussed on page 50. The regional staffs are in a position to render prompt assistance when required. Like the Head Office staff they co-operate closely with the municipal utilities and when required give advice and assistance to them in their engineering and administrative problems.

Western Region

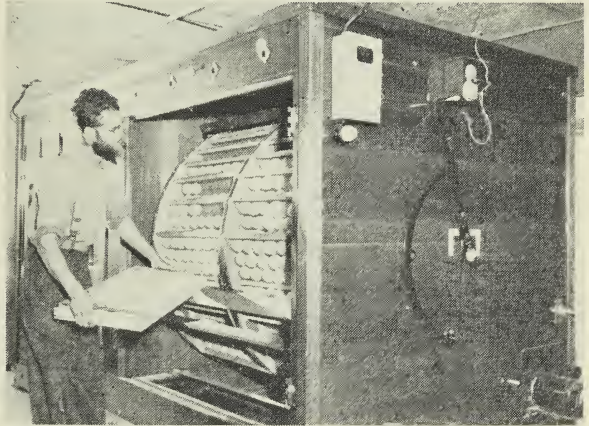
Many municipalities in the Western Region constructed new utility offices and service buildings, extended distribution lines, modernized street lighting, and undertook other work to broaden and improve service. Spacious new quarters at Windsor provide indoor garage and maintenance facilities as well as office and stores accommodation. Facilities were similarly combined in a new building for the Sandwich East Township Commission. A new service centre was erected at Tillsonburg and new buildings were under construction in Amherstburg and Sandwich West Township.

Changes and additions were made to low-voltage transmission lines by utilities in St. Thomas and Tillsonburg. Greater service security will be achieved in Sarnia with the completion of work undertaken to provide a double-loop 27.6-kv supply of power to the city. A number of municipalities carried out substantial improvements to street-lighting systems. Mercury-vapour lighting now illuminates a 2-mile section of downtown London. In Ridgetown, lighting units were mounted on steel standards erected on the inside edge of pavements, giving a more spacious air to the town's business district. Similarly, major improvements were made to lighting systems in Amherstburg, Chatham, Harrow, and Riverside.

The excellent relations which have existed between the municipal utilities and their customers is not taken for granted. A number of utilities in the region undertook a joint program to promote the use of electricity and to stress the benefits available to its users.

Frequency standardization operations in the region were completed in all but a few areas. The equipment of customers in 11 municipalities was altered for 60-cycle use during the year and this work marked the close of the standardization program. Only the equipment of a small number of customers around Burgessville and Embro remained on 25-cycle service and this equipment will be standardized early in 1958.

Resale rate revisions embodying the new rate structures were made effective in 23 municipalities during 1957. A total of 28 municipalities in the region are now billed on the new structures.



Incubators, electrically heated and controlled, have become standard equipment for modern poultry farms. Here, an attendant places goose eggs in an automatically operated incubator.

West Central Region

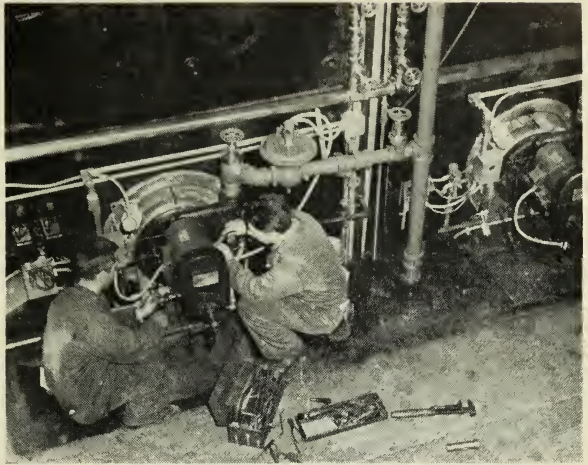
Step-down transformation facilities were increased in several municipalities in the region during 1957. New distributing stations with capacities varying from 3,000 kva to 5,000 kva were built at Galt, Guelph, Port Dover, Princeton, Simcoe, and Stratford. In Kitchener a 20,000-kva transformer, the second of its type, was installed in one of the municipal substations, and major alterations were made to another. Two distributing stations in Hamilton were rebuilt when the distribution voltage was changed from 2.3 to 4 kilovolts. All the 2.3-kv circuit-breakers at a third station were replaced also. In addition, two new 60-cycle stations, one for temporary use, were placed in service to meet loads which have risen chiefly as the result of frequency standardization operations and annexations by the city of adjacent areas. Improvements to facilities were also carried out by a large number of municipal utilities. Line extensions were made by utilities located in Caledonia, Drayton, Hagersville, Waterford, and other rural areas, as well as by utilities located in larger centres. Many changes to distribution facilities were made in conjunction with frequency standardization operations which were under way in the region in 19 municipalities. At the end of the year only a relatively few customers around Hagersville and Jarvis were still using 25-cycle power. Street-lighting systems in Dublin, Hamilton, St. Jacobs, and Waterloo were



New office building of the Brantford Public Utilities Commission

extended during the year and improvements were made to systems in other municipalities.

Expenditures to improve administrative facilities were also made in 1957. Through construction and purchase, suitable offices and service buildings were provided where needed. In several municipalities older buildings were refurbished. Utilities in Dublin, Hamilton, Harriston, Mitchell, and a number of other municipalities added office and garage accommodation. In Brantford about the middle of the year, administration of the electrical utility was transferred to a large new office building. Extensive alterations were made to offices in Seaforth, and additional warehousing facilities were also provided there.



Electrical equipment on a large industrial oil-burner is altered for 60-cycle operation.

Changes in rate schedules embodying the new rate structures were implemented in five municipalities in the region during the year.

Niagara Region

Electrical distribution systems in Beamsville, Fonthill, Grimsby, and Smithville were rehabilitated during 1957. In Niagara Falls a new customer-owned distributing station was placed in service and additional street-lighting units were installed. Construction of a new distributing station in St. Catharines was completed, and substantial progress was made on the installation of a 13.8-kv underground network to supply the business section of the city. New warehouse and service facilities were under construction in Port Colborne.

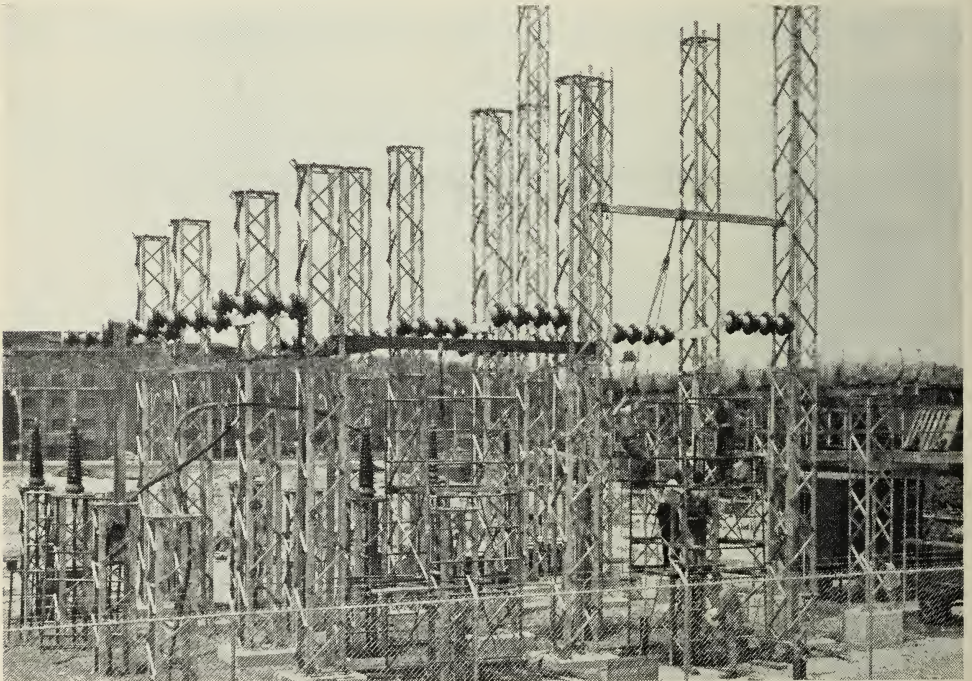
Frequency standardization in the region was completed except for the standardization of equipment in the filtration plant at Niagara Falls. The plant, which is being enlarged, will be changed over to 60-cycle operation in 1958.

Revised resale rates based on the new rate structures were introduced in Port Dalhousie.

Toronto Region

Increases in the number of customers served in the Toronto Region resulted in fairly widespread expansion of municipal transformation facilities. North York Township and Scarborough Township together provided service to over 8,000 additional customers and added 10 substations to their distribution systems. Fourteen of the new customers were industrial concerns requiring power at 27.6 kv. Almost 3,000 new customers in Etobicoke Township and over 2,000 in York Township were provided with power by the two municipal utilities. To meet the increased demands a new substation of the outdoor type was placed in service in York Township and two new substations suitably designed for location in residential areas were constructed in Etobicoke Township. Increased transformation capacity was also provided by utilities in Brampton, Georgetown, Oakville, and Trafalgar Township during the year.

In Toronto four new 4-kv substations, each with an ultimate capacity of 20,000 kva, were placed in service. A fifth substation was temporarily installed in the central section of the city. Additional 60-cycle power became available to the municipal utility when the Commission replaced the 25-cycle transformers at Toronto-John Transformer Station with 60-cycle transformers and increased the capacity of 60-cycle facilities at Toronto-Bridgman, Toronto-Esplanade, and Toronto-Wiltshire Transformer Stations. A third 40,000-kva switchgear unit was placed in service at Toronto-Strachan Transformer Station. Some 54 miles of 13.2-kv power cable were installed by the municipal utility during the year as



PUTTING TRANSMISSION CIRCUITS UNDERGROUND IN METROPOLITAN TORONTO

Termination structures for 115-kv, underground circuit cables at Riverside Junction. At this point the cables will be connected to overhead transmission lines from A. W. Manby Transformer Station.

part of the network of primary feeder lines. In addition to carrying power to municipal substations these lines will supply certain large power service customers and two substations of the Toronto Transit Commission. Line construction also included the installation of about 105 miles of low-voltage power cables and control cables. Forty-eight new under-ground transformer vaults were constructed.

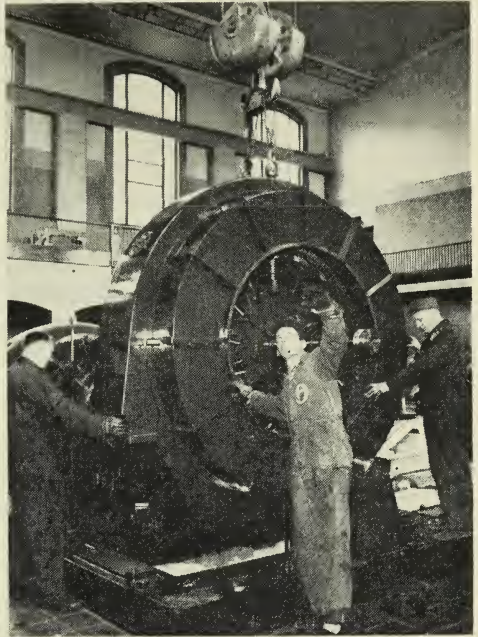
Frequency standardization operations in the Toronto Region were completed except for certain sections of the city of Toronto and the town of Leaside. Work was completed during the year in the downtown business area of Toronto and in the west central part of the city. The Toronto Islands and the waterfront areas were standardized during the summer months. The 60-cycle peak demand of the municipal system was 457,900 kilowatts, 28 per cent greater than it was in 1956. The combined 25- and 60-cycle peak load supplied to the system was 559,995 kilowatts, an increase of 4 per cent over that of 1956.

Mercury-vapour lighting systems were installed in Bolton and Etobicoke Township during the year. In Milton new administrative buildings were erected, and in Weston office and stores accommodation were obtained in the new municipal building.

Resale rates were reduced in five of the seven municipalities where the new rate structures were introduced during 1957.

Georgian Bay Region

Municipal utilities in the region improved and extended electrical distribution facilities in 1957 in order to meet a steady increase in load demands, an increase that was most evident in rural areas. During the year the total capacity of municipal distributing stations in Barrie, Huntsville, and Owen Sound was substantially increased. At Camp Borden also a 4,000-kva distributing station was replaced by a 6,000-kva station. In Coldwater a new power service customer placed in service a 1,000-kva substation. Power was supplied in Midland to a new substation installed by a power service customer who had enlarged his plant. The municipal utility in Orillia completed the construction of a new 44-kv switching station in



A 1,000-horsepower synchronous motor, rewound for 60-cycle operation, is hoisted into position in a Toronto pumping station.

the spring. This resulted in improved operation of the distribution system which is supplied from three municipally owned generating stations as well as from Commission resources. Extensive improvements were carried out also in Bracebridge where reconstruction in part of the town's generating station and the construction of a new concrete dam resulted in greater capacity and more economic operation. In Port Carling work was undertaken to raise the distribution voltage from 4 to 12 kv. In Victoria Harbour the voltage level was raised from 2.3 to 4 kv.

Resale rate revisions embodying the new rate structures became effective in 14 municipalities during the year. Customers in about 27 per cent of the municipalities in the region were being billed on the new schedules at the end of 1957.

East Central Region

Industrial activity in the East Central Region remained at a fairly high level during 1957, and this was reflected in continued demands for additional power. Municipal utilities were meeting these demands by extensive changes to their distribution facilities. New municipal substations were built in Ajax, Bloomfield, Kingston, Oshawa, and Peterborough. In Kingston the construction of a new 5,000-kva municipal substation was completed during the year and a second will be ready for service early in 1958. Each of these stations was designed for an ultimate capacity of 15,000 kva. Increased capacity became available in Belleville when the local utility installed a higher-rated transformer at one of the two municipal substations and added cooling fans to the transformer in another.



An attractive bungalow-type office serves rural customers in the Minden area.

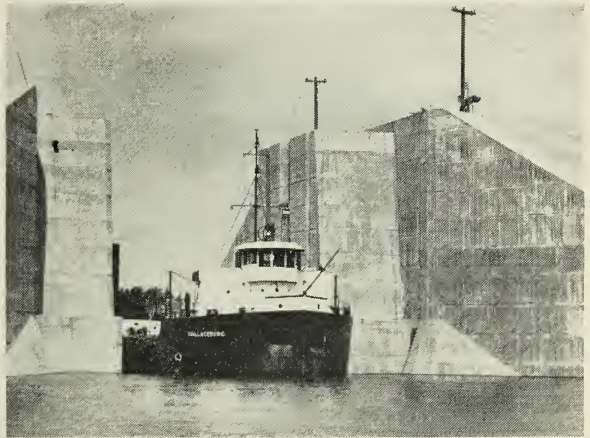
Customer-owned stations of 1,000-kva capacity each were placed in service in Port Hope, Trenton, and Whitby during the year. In Lindsay the heavy power-loading experienced on the municipal substation was relieved when the largest power service customer in the town installed a 3,000-kva substation.

Further work was carried out to improve distribution lines, street-lighting systems, and administration facilities. In Peterborough underground distribution lines were extended to serve a large part of the business district and a new building was erected to provide additional garage space. Distribution lines in Madoc were rebuilt to improve service security, and in Millbrook rehabilitation of the major part of the municipal distribution system was begun. Street-lighting systems in Kingston, Marmora, Napanee, Trenton, and Tweed were altered to provide better illumination on main thoroughfares. New administrative offices were purchased in Brighton, Colborne, and Kingston. Offices in Trenton were completely refurbished during the year.

In 1957 revised resale rate revisions embodying the new rate structures were introduced in 6 municipalities, including the city of Oshawa.

Eastern Region

In Ottawa the number of customers served by the municipal utility totalled 76,353 at the end of 1957, an increase of 4 per cent over the number served in 1956. Extensions and improvements to the distribution system there resulted in an increase in substation capacity of 13,800 kva during the year. About 11 miles of new 12-kv and 5-kv underground cable circuits were also placed in service and some 2 miles of duct line were installed. More than a mile of 12-kv overhead



ST. LAWRENCE POWER PROJECT — A freighter moves inland through the closure structure which affords passage through the Cornwall dike.

feeder-line was built and 23 miles of 4-kv distribution line were erected. Improvements were also carried out in other municipalities in the region. New 3,000-kva distributing stations were placed in service in Brockville, Cardinal, and Hawkesbury. In Arnprior work began on the construction of a new 2,000-kva distributing station. A four-year program of system rehabilitation in L'Orignal was completed and a similar program was under way in Vankleek Hill. In Merrickville approximately one-third of the municipal distribution system was rebuilt for

2.3-kv operation. Street-lighting systems in Almonte, Carleton Place, Maxville, and Renfrew were improved. Mercury-vapour units were installed in the business section of Westport and in new subdivisions in Ottawa.



ST. LAWRENCE POWER PROJECT—This new shopping centre, conveniently located and attractive in appearance, was opened in May 1957. It is one of four centres established in communities relocated along the north shore of the St. Lawrence River.

Relocated municipalities in the St. Lawrence Power Project area were provided with electrical distribution systems of the most modern type. Distribution lines were located and substations designed in keeping with the trim attractive appearance of the new towns. In Iroquois this work was completed by the end of the year. In Ingle-side, Long Sault, and Morrisburg the new distribution

systems will be completed early in 1958.

On January 1, 1957, power was first supplied at cost to the municipality of Chalk River. Resale rate revisions embodying the new rate structures became effective in nine municipalities in the region during the year.

Northeastern Region

In a number of municipalities in the region the Commission owns the local distribution system and serves customers directly. Improvements to facilities in these local systems are carried out by the Commission's regional staff. During 1957 Commission forces rehabilitated distribution facilities in Blind River. Substation capacity was increased at Elk Lake Townsite with the installation of an additional transformer, and at Cobalt with the placing in service of a new 3,000-kva distributing station. The Commission also made substantial improvements to



This attractive church in Iroquois is one of four places of worship built to meet the needs of the new community.

The Commission also made substantial improvements to

facilities in Larder Lake Township. Municipal utilities in Kapuskasing, Thessalon, and Webbwood carried out similar work to improve the supply of power to their customers. In Cochrane a spare 1,000-kva transformer was purchased to provide greater security of service. A new 3,000-kva substation was placed in service in North Bay. At Sudbury a new administrative building was officially opened in April.

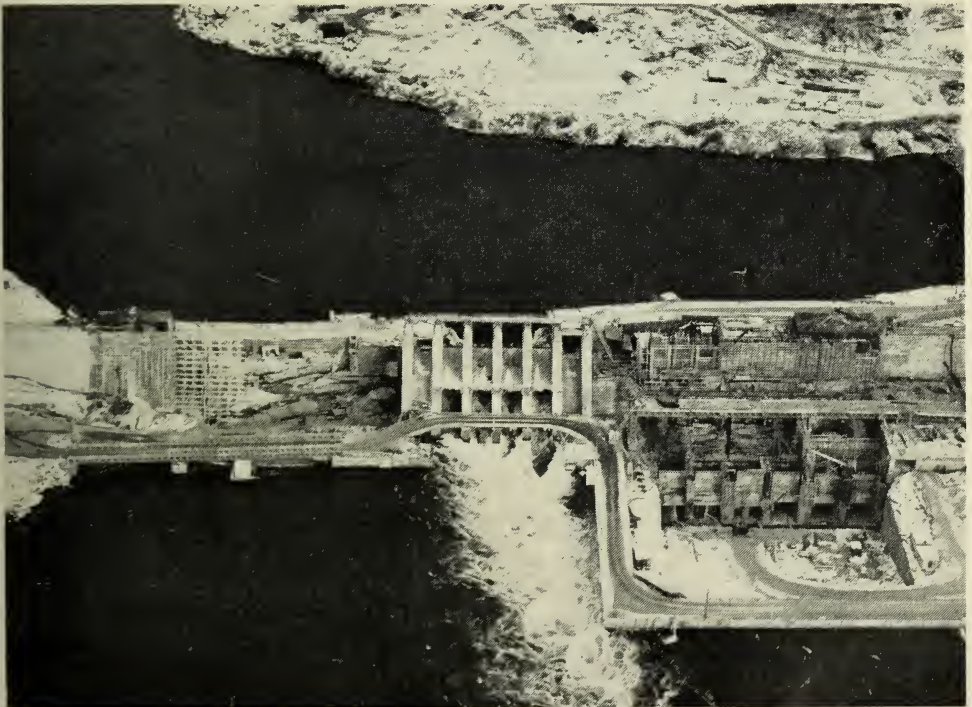
Frequency standardization operations in the region will begin early in 1958.

Resale rates were reduced in Sturgeon Falls when the new rate structures became effective.

Northwestern Region

Municipalities in the northwest undertook a variety of tasks designed to improve service. In Fort William expenditures were made to provide new warehouse and stores accommodation and to extend the municipal distribution facilities. Improvements were made to the Fort William street-lighting system and to street-lighting systems in Atikokan Township, Dryden, and Terrace Bay. In Port Arthur, administrative offices were refurbished. Changes were also made to increase distributing station and line capacities. The number of domestic, commercial, and power service customers in total increased about 4 per cent during the year. The eight municipalities receiving power at cost from the Commission supplied more than 30,000 of these customers.

With the introduction of the revised rate structures, resale rates in Terrace Bay were reduced.



CARIBOU FALLS GENERATING STATION — This new development on the English River will add 67,500 kilowatts to the Commission's output when it is completed in 1958. It is the third power site developed on the 140-mile stretch of river between Lac Seul and the junction of the English and Winnipeg Rivers.

SERVICES TO CUSTOMERS**Industrial Surveys**

Studies were undertaken at a number of industrial plants where electric spot welders are used. The object was to improve widely fluctuating voltage conditions brought about by the welding operation. Eighty-one power-factor surveys were carried out for industrial customers served either by the Commission or by the municipal utilities. Recommendations were made for the installation of a total of 6,150 kva of capacitors which would result in improved economy in the customers' operations and more efficient operation of the power supply system.

Lighting

As a service to customers of the municipal and rural distribution systems, plans and specifications were prepared for over 300 lighting installations. In this way the special skill and qualifications of the Commission's staff are made available to those interested in improving lighting for schools, offices, industrial and commercial locations, and for streets and public buildings. Somewhat more than 40 per cent of these plans and specifications were prepared for the Department of Education of Ontario for school installations.

Inspection

Electrical installations are governed by regulations made by the Commission under The Power Commission Act. Each installation must be covered by a permit and approved by an inspector before being connected to the power supply. The number of permits issued and inspections made during the year was somewhat lower than during 1956, reflecting the downward trend in new construction.

Amendments made to the Ontario Hydro Regulations include revisions in the Canadian Electrical Code, Part I, and numerous changes required by advanced techniques in the electrical industry.

The Commission is also constantly vigilant in establishing and maintaining standards in the manufacture of electrical equipment and in ensuring that all such equipment being sold to the public is properly approved.

SECTION IV

FREQUENCY STANDARDIZATION

THE gigantic task of changing the frequency at which power is supplied to customers in a 12,000-square-mile area of the Southern Ontario System is scheduled to be completed in mid-1959. It was begun in the autumn of 1949, at which time it was estimated that some 784,000 customers would be involved and that it would be necessary to standardize or replace on the average 2.7 frequency-sensitive items for each domestic customer included. The total number of customers involved has progressively increased over the period of the work. By present estimates it will be just over a million, and the average number of frequency-sensitive items now being encountered per domestic customer in the Toronto area is 5.9.

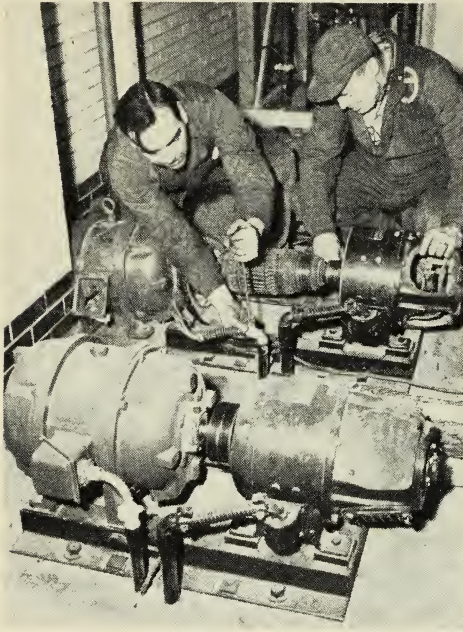
Progress in 1957

By the end of 1957 the equipment of 915,700 customers, or roughly 90 per cent of the total program, had been standardized. The industrial customers whose equipment remains to be changed over represent only about 3 per cent of the total motor-connected horsepower in the industrial program.

PROGRESS OF FREQUENCY STANDARDIZATION BY CLASSES OF SERVICE

Class of service	Services standardized		Customer moves		Frequency-sensitive items standardized	
	During 1957	Total to Dec. 31, 1957	During 1957	Total to Dec. 31, 1957	During 1957	Total to Dec. 31, 1957
Domestic.....	110,265	688,504	14,146	130,083	664,276	3,579,528
Commercial.....	16,074	80,773	549	2,554	213,283	920,711
Power.....	2,596	13,281	78	468	82,778	769,877
Total standardized, all classes.....	128,935	782,558	14,773	133,105	960,337	5,270,116
Miscellaneous—Clocks, fans, and small items exchanged.....					163,162	865,218

At the beginning of the year the principal areas of standardization operations were Toronto, Hamilton, St. Thomas, and the Niagara Region. Operations in Hamilton and St. Thomas were completed early in the year, and work continued throughout the remainder of the year in a number of municipalities and rural areas in the Western and West Central Regions. In all, work was completed for customers in 30 municipal systems, including the cities of Brantford and Woodstock. Standardization of equipment of the Commission's customers in the Niagara Region



An exciter for a 112-horsepower motor is dismantled during frequency standardization operations.

was virtually finished by the end of the year and assistance was then extended to the Canadian Niagara Power Company in standardizing equipment of their customers in the Fort Erie area. Throughout most of 1958 the area of frequency standardization activity in the Southern Ontario System will be confined to the east central part of Toronto. The remainder of Toronto and all of Leaside will be changed over during the first part of 1959. Preparatory work was well in hand for standardization which is to begin in the Commission's Northeastern Division early in 1958. This operation is expected to require about six months.

The financial aspects of this vast and exceedingly complex operation are discussed elsewhere in this Report (see page 21). The cost of so extensive a program has naturally increased with the widening scope of the work and the

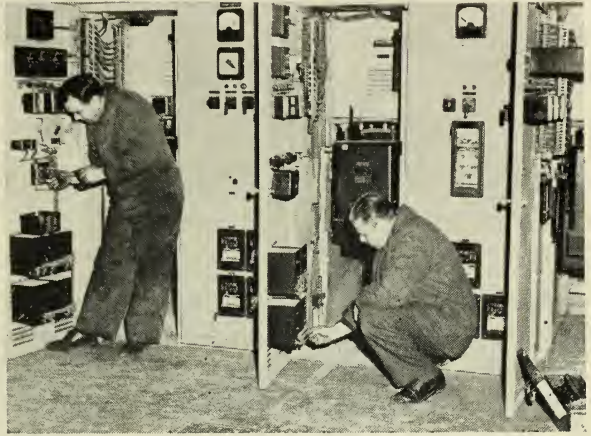
continuous rise in prices of labour and materials, but the benefits are also proportionally greater today than they were in 1949. Sixty-cycle equipment is now standard for most of the North American continent. The use of such standard equipment benefits all customers in the former 25-cycle area, new and old alike, and in direct proportion to the extent of their use of such equipment. Therefore, the decision to assess the municipal utilities' share of the cost in relation to their year-to-year loads has proved to be a wise one. On this basis no municipality derives any special advantage because of its priority in the program.

With the accelerated progress of the work it has been possible to realize substantial savings in total cost which serve to offset to some extent the rising costs of labour and materials. It is true that there were about 11,000 fewer customers involved in 1957 operations than there were in the 1956 program, but the number of items changed over exceeded the 1956 total by more than 51,000. This is reflected in the increase in the average number of items per

domestic service standardized from 4.8 in 1956 to 5.8 in 1957. With the reduction in the size of the 25-cycle island there has been a substantial decrease in the number of customer moves from 25-cycle to 60-cycle areas.

Measures to Achieve Economies

The Commission continued to extend the application of techniques that have proved economical in the past, particularly in the standardization of refrigerators. Further economies were achieved by replacing older type repulsion-induction motors of less than one horsepower with less expensive capacitor-start types. Of the more than 333,000 motors used for standardizing equipment during 1957, more than 23 per cent were re-wound 25-cycle motors and about half of these had been rewound in the A. W. Manby Service Centre. Just over 5,000 salvaged 25-cycle motors that could not be economically rewound were sold. The use of these motors to meet customer requirements would leave manufacturers more free to concentrate on production of 60-cycle equipment. Some 76,000 meters of various kinds were changed over to the higher frequency in the Meter Shop of the A. W. Manby Service Centre. Salvage that was not otherwise serviceable was disposed of as scrap to the extent of some 6,000 tons.

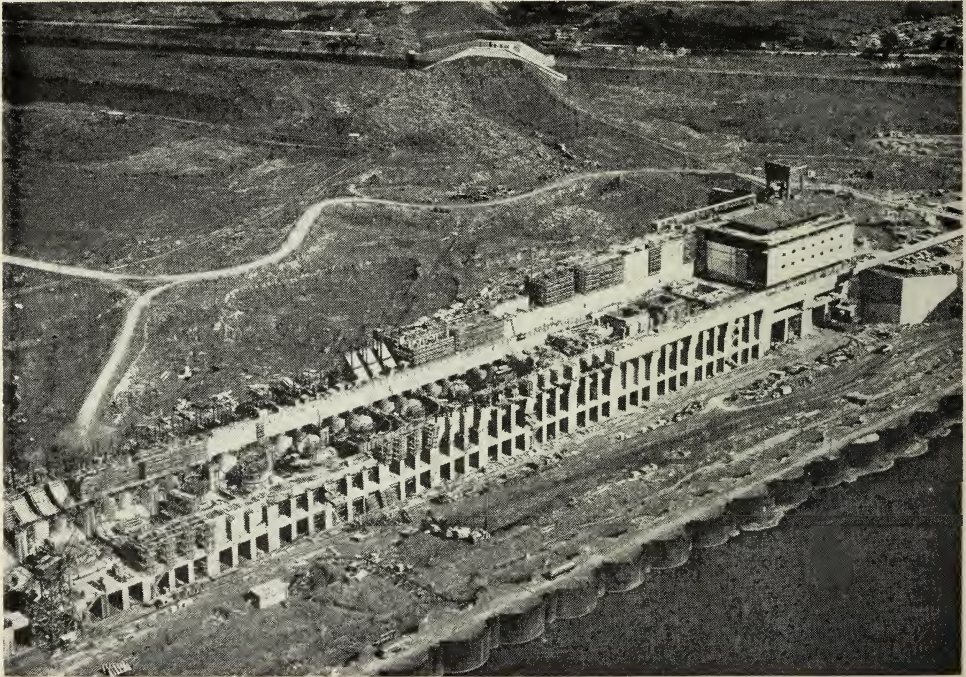


Electrical control equipment receives final adjustment following standardization in a large industrial plant.

SECTION V

PLANNING, ENGINEERING, AND CONSTRUCTION

THE name Ontario Hydro by which the Commission is familiarly known throughout the Province is itself an indication of the almost exclusive importance of hydraulic engineering in the Commission's operations during the past fifty years. With the construction of the two major thermal-electric stations in Toronto and Windsor beginning in 1948, and their subsequent incorporation into the network in 1951, it was apparent that thermal-electric generation was soon to assume much greater importance in the Commission's affairs. Now with the



ST. LAWRENCE POWER PROJECT — View of the Canadian half of the 32-unit power project from the southeast. In the foreground, cells of the downstream cofferdam are visible. Work along the downstream face of the dam and in the tailrace area neared completion by the end of 1957. When this area is flooded in the spring of 1958 the cofferdam will be removed.

**Summary of Ontario Hydro's Power Development Program—1945-1962
as at December 31, 1957**

<i>System and Development</i>	<i>In service</i>	<i>Dependable peak capacity</i>
SOUTHERN ONTARIO SYSTEM		
		<i>kw</i>
DeCew Falls (extension)—Niagara Region	1947	57,000
Stewartville—Madawaska River	1948	63,000
Polymer Corporation (Additional power purchase contract)	1948	22,000
Emergency thermal-electric units	1949—1950	**
Des Joachims—Ottawa River	1950—1951	372,000
Chenau—Ottawa River	1950—1951	117,000
Richard L. Hearn—Toronto	(4 units) 1951—1953	400,000*
	(4 units) 1958—1960	800,000*
J. Clark Keith—Windsor	1951—1953	264,000*
Otto Holden—Ottawa River	1952—1953	210,000
Sir Adam Beck—Niagara No. 2—Niagara River	1954—1957	1,050,000*
	(2 units) 1958	150,000*
Pumping-Generating Station	(3 units) 1957	85,000*
	(3 units) 1958	85,000*
Robert H. Saunders—St. Lawrence—		
St. Lawrence River	(16 units) 1958—1960	820,000*
Nuclear Power Demonstration—near Des Joachims		
Generating Station	1961	20,000*
Lakeview—near Toronto	(2 units) 1961—1962	600,000*
NORTHERN ONTARIO PROPERTIES		
NORTHEASTERN DIVISION		
George W. Rayner—Mississagi River	1950	47,000
Abitibi Canyon (extension)—Abitibi River	(1 unit) 1959	45,000
NORTHWESTERN DIVISION		
Ear Falls (extension)—English River	1948	6,000
Aguasabon—Aguasabon River	1948	44,000
Pine Portage—Nipigon River	1950—1954	119,200
Manitou Falls—English River	(4 units) 1956	65,700
	(1 unit) 1958	
Caribou Falls—English River	(3 units) 1958	67,500
Whitedog Falls—Winnipeg River	(3 units) 1958	54,000
Cameron Falls (extension)—Nipigon River	(1 unit) 1958	19,100
Alexander (extension)—Nipigon River	(1 unit) 1958	11,300
Silver Falls—Kaministiquia River	(1 unit) 1959	45,500
Thunder Bay—Fort William	(1 unit) 1961	100,000*

*Installed capacity.

**With the dismantling in early 1956 of the 20,000-kilowatt Scarborough Generating Station, only the Steel Company of Canada station in Hamilton remains of the emergency thermal-electric stations brought into service during the period January 1949 to April 1950.

approaching completion of the Sir Adam Beck-Niagara Generating Station No. 2 and the early prospect of completion of a major part of the construction of the Robert H. Saunders-St. Lawrence Generating Station, the program of thermal-electric generation assumes a new perspective. The transition from predominantly hydraulic to predominantly thermal engineering to which the Annual Report of 1956 referred is already well begun. The advent of nuclear power and the encouraging developments that have taken place in this field during the past three or four years will contribute to accelerating this change.

Such a generalization tends, of course, to oversimplification. Considerable activity will continue at the St. Lawrence Power Project for two years after the first units come into service, and a number of hydro-electric stations in northern Ontario, like those being built or extended in 1957, will be developed from time to time as the changing economic situation may require. Among the first

**Expenditures on Capital Construction
By Fiscal Years 1946-1957**

	Genera- tion	Transfor- mation	Trans- mission	Rural	Other	Total
	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
1946.....	6,160	4,184	3,980	4,942	320	19,586
1947.....	20,725	9,587	7,892	6,672	961	45,837
1948.....	48,122	12,839	14,369	13,514	1,833	90,677
1949.....	79,472	19,172	22,061	23,827	5,584	150,116
*1950.....	86,637	28,025	30,346	19,521	6,951	171,480
1951.....	94,267	25,143	17,886	22,725	4,597	164,618
1952.....	96,682	22,954	15,628	23,033	4,534	162,831
1953.....	117,311	21,711	15,444	24,402	4,767	183,635
1954.....	76,649	15,360	16,091	20,133	4,585	132,818
1955.....	68,483	12,624	10,823	18,961	3,681	114,572
1956.....	128,245	13,464	11,424	17,244	2,626	173,003
1957.....	151,738	17,302	19,295	17,347	3,010	208,692
Total 1946-57.....	974,491	202,365	185,239	212,321	43,449	1,617,865

*14-month fiscal period

sites to be considered will be Otter Rapids on the Abitibi River and Red Rock Falls on the Mississagi River. The St. Lawrence Power Project, however, is the last major hydraulic development in the Southern Ontario System. Significant decisions were therefore taken during 1957 regarding future thermal-electric stations in the Province.

The first major decision recognized the unusually rapid growth of power requirements in the northwestern part of the Province and the necessity to build

Total Mileage of Transmission Lines and Circuits

Voltage and Structure	Line route or structure miles		Circuit miles	
	At Dec. 31, 1956	At Dec. 31, 1957	At Dec. 31, 1956	At Dec. 31, 1957
SOUTHERN ONTARIO SYSTEM				
230,000-volt.....steel tower.....	2,557.17	2,612.28	3,144.65	3,208.23
115,000-volt.....steel tower.....	1,555.10	1,552.27	2,398.56	2,394.80
115,000-volt.....wood pole.....	934.28	934.04	938.89	938.65
115,000-volt.....underground cable.....	13.15	17.11	23.83	38.67
60,000-volt.....steel tower.....	11.17	11.17	12.30	12.30
60,000-volt.....wood pole.....	2.66	2.66	2.66	2.66
44,000-volt and less. wood and steel...	4,686.60	4,696.17	5,202.23	5,222.11
Total Southern Ontario System...	9,760.13	9,825.70	11,723.12	11,817.42
NORTHERN ONTARIO PROPERTIES				
230,000-volt.....steel tower.....	55.28	55.28	55.28	55.28
230,000-volt.....wood pole.....	51.71	144.75	51.71	144.75
115,000-volt.....steel tower.....	865.64	865.64	1,519.08	1,519.08
115,000-volt.....wood pole.....	1,163.89	1,301.65	1,163.89	1,301.65
69,000-volt.....wood pole.....	203.72	203.73	203.72	203.72
44,000-volt and less. wood and steel...	1,693.69	1,603.51	1,772.66	1,674.98
Total Northern Ontario Properties	4,033.93	4,174.55	4,766.34	4,899.46
Total—All systems.....	13,794.06	14,000.25	16,489.46	16,716.88

the Thunder Bay (thermal-electric) Generating Station in Fort William not only to provide in part for these growing loads but also to afford some assurance of supply when stream-flows are unfavourable. Later in the year the decision was taken to proceed with two more large thermal-electric stations for the supply of the Toronto-Hamilton area, each with a planned ultimate capacity of 1,800,000 kilowatts.

Survey Work

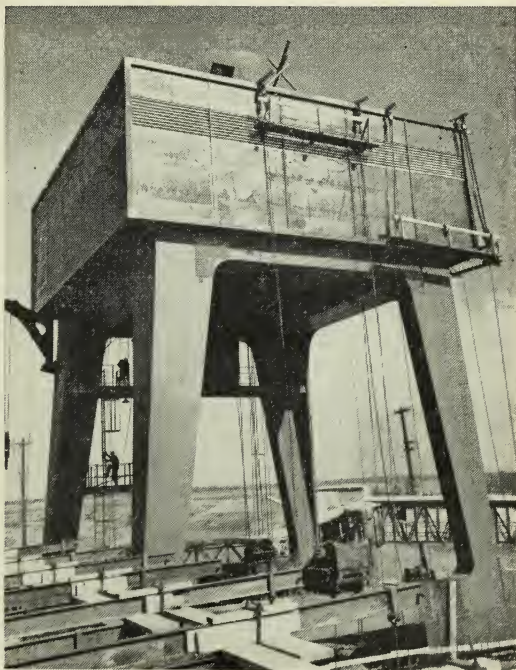
Preparatory work for these widely separated projects has involved extensive survey work—river investigation surveys in the northern regions, pre-engineering surveys and underwater sounding operations for the thermal-electric stations, and location surveys for transmission facilities. Aerial photography was used for over 500 line miles of survey work on northern Ontario rivers and a stereo-plotter is now being used to transfer the information obtained to large-scale contour plans.

Regional Office and Service Buildings

The new regional office building in Belleville was approaching completion at the end of the year. Regional service buildings were erected in North Bay and Port Arthur. Area office and service buildings were completed in the Beamsville, Lancaster, Markham, St. Thomas, Stratford, and Walkerton areas, and a number of others were under construction.

SOUTHERN ONTARIO SYSTEM **Progress on Power Developments**

In the Southern Ontario System three major power projects were under construction during 1957. At Sir Adam Beck-Niagara Generating Station No. 2 the final stages were reached in a program that has been going on continuously since early 1950. Plans for the seven-unit station then scheduled were extended in 1952 to include twelve units, further extended in 1953 to incorporate a pumped-storage scheme, and by early 1956 the Commission had decided to proceed with four additional units in the main station. At the St. Lawrence Power Project work was begun in August 1954 and is scheduled for completion in 1960. Richard L. Hearn Generating Station in Toronto was begun in 1949 on a site affording adequate space for progressive expansion. Four units were in service at the station in 1953. Construction began in late 1956 and continued throughout 1957 on the extension



ST. LAWRENCE POWER PROJECT—This giant gantry-crane, with a lifting capacity of 90 tons, will travel the length of the headworks at the Robert H. Saunders-St. Lawrence Generating Station to carry out maintenance. The crane stands 66 feet in height and has a travelling speed of 100 feet per minute.

of this station by four additional units to three times its present capacity of 400,000 kilowatts. A brief report of the year's progress in this and other construction activity follows.

ROBERT H. SAUNDERS-ST. LAWRENCE GENERATING STATION—ST. LAWRENCE RIVER

Location —The International Rapids Section of the St. Lawrence River about 2 miles west of Cornwall.

Installed Capacity —820,000 kilowatts in 16 units, 60 cycles (Ontario Hydro's share).

Rated Head —81 feet.

In-Service Schedule —1958-1960.

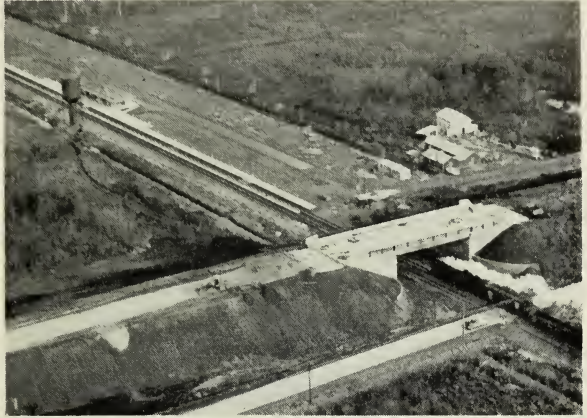
Estimated Cost —\$300,000,000, including generation, step-up transformation, and associated high-voltage switching at St. Lawrence Transformer Station.

The scheme to develop power in the International Rapids Section of the St. Lawrence River has been a joint undertaking of the Commission and the Power Authority of the State of New York. Since it is closely related to the St. Lawrence

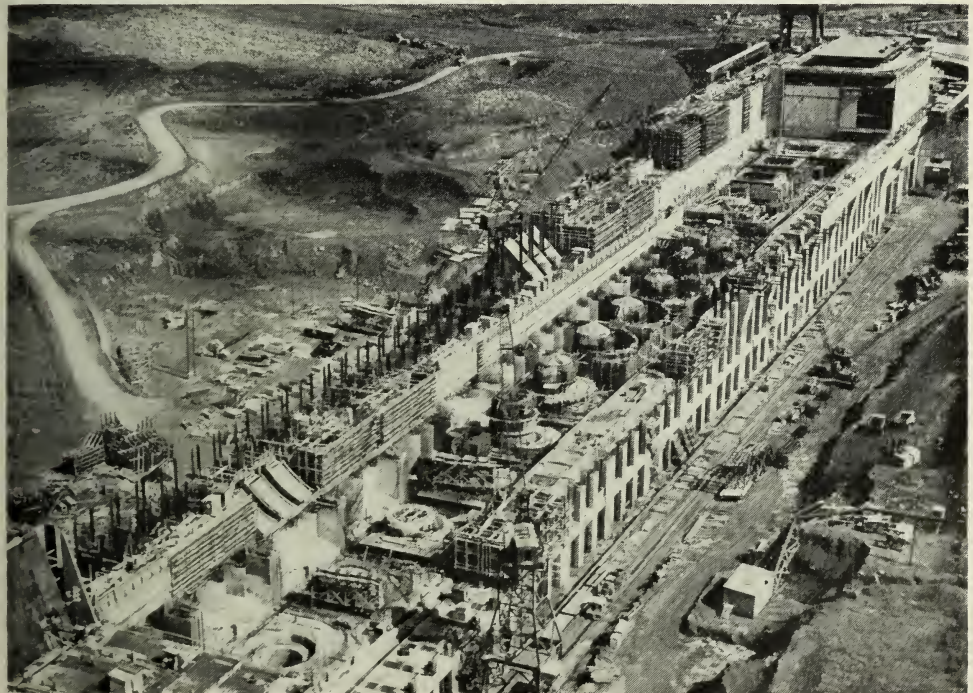


ST. LAWRENCE POWER PROJECT — The business district and part of the residential section of Morrisburg relocated on higher ground. Flooding of the area shown in the background will begin in July 1958.

Seaway Development the construction program has also demanded the closest co-ordination with work being carried out by agencies of the Governments of Canada and the United States. The associated work of community planning and rehabilitation, and the relocation of highway, railway, and power transmission facilities involved have in their several ways also required skilful planning and particularly detailed programming.



ST. LAWRENCE POWER PROJECT—A new highway overpass spans the relocated section of the Canadian National Railways main line near Morrisburg. The station, top left, is one of five new railway stations built by the Commission to serve communities on the relocated line.



ST. LAWRENCE POWER PROJECT—The new generating station began to take final shape in 1957. Looking towards the administration structure at the Canadian shore, we can see fifteen of the sixteen units in various stages of construction. Nine will be placed in service in 1958.

river extending about 40 miles up stream from the powerhouse site. Flow from Lake Ontario into the headpond will be controlled by a dam at Iroquois Point. The extent of the headpond itself will be limited by some 14 miles of dike. The improvement of river channels also is part of the combined seaway and power development program.

By the end of 1957 the powerhouse headworks had begun to assume its final shape and basic concrete for the units was well advanced. Embedded parts were in place for the first twelve turbines. Exterior work on the erection bay and administration structure had progressed sufficiently to permit the commencement of interior work. The Cornwall dike extending northwest from the powerhouse was finished during 1957. The navigation canal which passes through the concrete closure structure in the dike had been completed early in the year and was used through the 1957 navigation season.

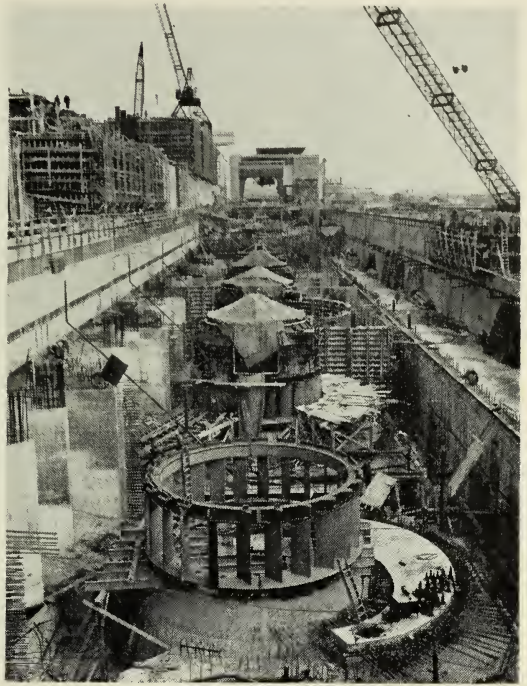
Four entirely new communities have been established at Ingleside, Iroquois, Long Sault, and Riverside, and the larger part of the business area of Morrisburg has been moved to higher ground. This work, undertaken in anticipation of the extension of the headpond in the summer of 1958, is rapidly approaching completion. It has involved the moving of well over 500 homes and the construction of 250 others. Five railway stations, four shopping centres, seven schools, four



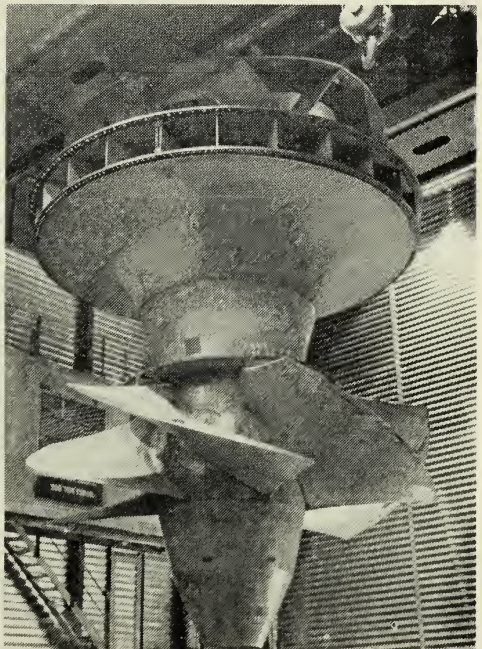
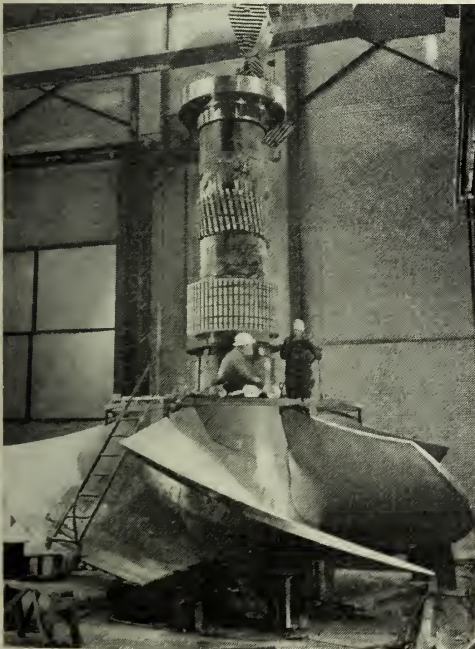
ST. LAWRENCE POWER PROJECT — This compacted earth embankment, having a maximum width of 512 feet and a maximum height of 85 feet, extends north and west of the powerhouse some $3\frac{1}{2}$ miles to contain the headpond, which will flood the area to the left. Until closure is effected, ships will pass through the dike at the concrete structure in the foreground.

churches, and multiple-housing developments involving nearly 100 units in all were completed in 1957. Work continued on nine churches, two schools, and other buildings of various kinds. The re-establishment of public facilities and the paving of roads continued as part of this relocation program. With the paving of approximately 18 miles of highway west from Cornwall the relocation of some 35 miles of Highway No. 2 was completed. The 40-mile stretch of relocated main line of the Canadian National Railways was placed in service during the year.

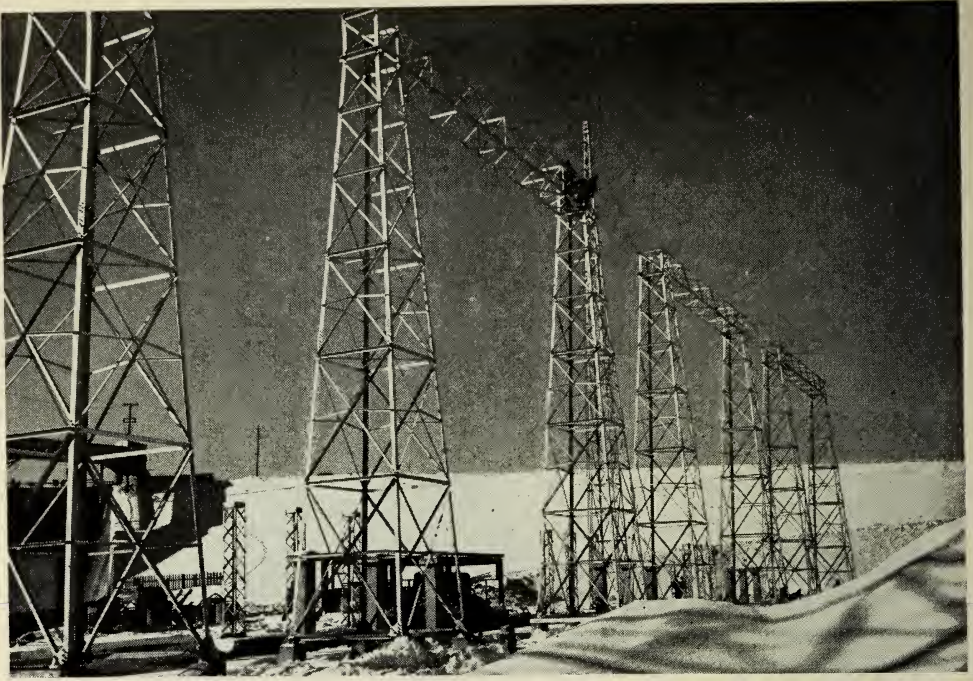
The program of river improvement was continued by the enlargement of channels in the vicinity of Chimney and Galop Islands and Iroquois Point. Similar work was also begun near Point Three Points, Morrisburg, and Cardinal.



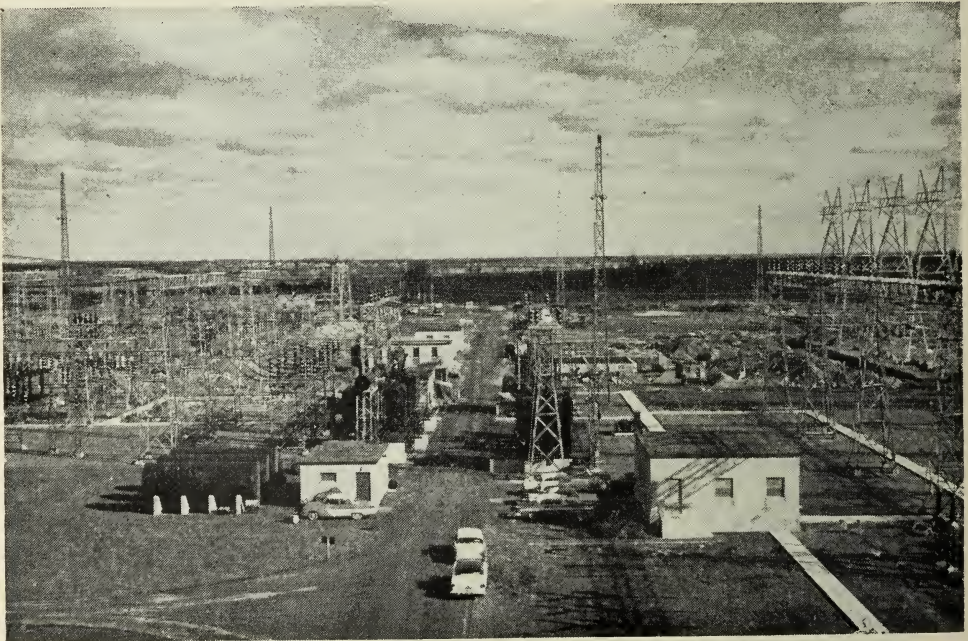
ST. LAWRENCE POWER PROJECT — The powerhouse area looking toward the Canadian shore from unit number 15. The arms of erection cranes reach high as they manoeuvre heavy equipment into place.



ST. LAWRENCE POWER PROJECT — Two of the sixteen 75,000-horsepower, fixed-blade, propeller runners. Left, workmen strip protective material from the shaft in preparation for assembly. Right, a completed runner and head-cover assembly, 190 tons in weight, is lowered carefully into the turbine pit.

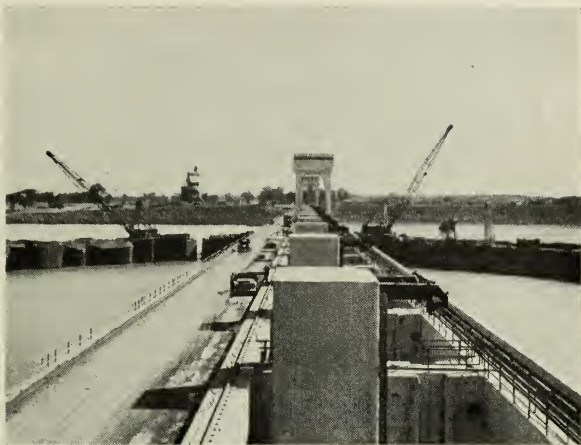


ST. LAWRENCE POWER PROJECT — Transmission lines will be strung from these 51-foot terminal structures at the north end of the powerhouse to St. Lawrence Transformer Station, $2\frac{1}{2}$ miles distant.



ST. LAWRENCE POWER PROJECT — The 230-kv section of the St. Lawrence Transformer Station. Five air-blast circuit-breakers, each with a rupturing capacity of 15 million kva, were placed in service in 1957. Steel towers, right, terminate 230-kv transmission lines from the Robert H. Saunders-St. Lawrence Generating Station.

Work of corresponding magnitude has been undertaken by the Power Authority of the State of New York as its share of the combined effort. In addition to its own powerhouse, the Authority has built the Long Sault dam, the Iroquois dam, and carried out diking and rehabilitation on the United States side of the river. All of this work required careful scheduling in conjunction with the Commission's activity. It has been accomplished with the most gratifying expedition and whole-hearted co-operation. In December the Iroquois dam was transferred to the Commission's staff for operation.



ST. LAWRENCE POWER PROJECT—Thirty-two sluices, each 50 feet wide, extending across the St. Lawrence River form part of the Iroquois control dam. On either side of the dam, cranes are removing the cofferdam which enclosed the final construction stage.

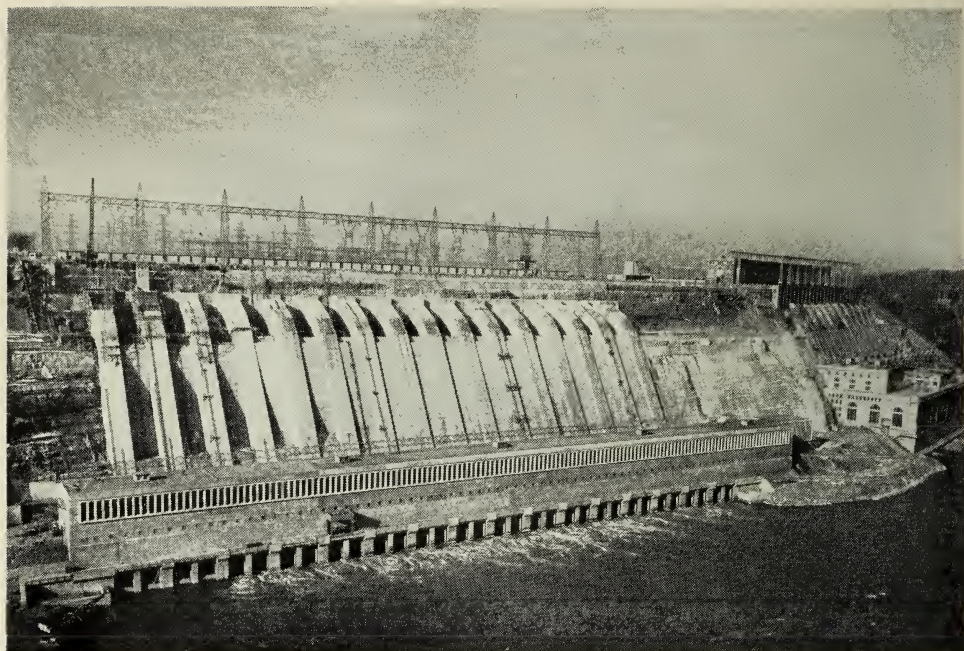
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—NIAGARA RIVER

<i>Location</i>	—Near Queenston, 6 miles down stream from the cataract and adjacent to Sir Adam Beck-Niagara Generating Station No. 1.
<i>Installed Capacity</i>	—1,370,000 kilowatts, 60 cycles (1,200,000 kilowatts in 16 units in the main generating station, and 170,000 kilowatts in the pumping-generating station).
<i>Rated Head</i>	—Main generating station—292 feet. Pumping-generating station turbines—80 feet.
<i>In Service</i>	—Seven main generating units in 1954, five in 1955, and two in 1957. Three pumping-generating units in 1957.
<i>In-Service Schedule</i>	—Remaining two main generating units and three pumping-generating units in 1958.
<i>Estimated Cost</i> (16 units and pumped storage)	—\$343,700,000, including generation, step-up transformation, and high-voltage switching at the site.

The most important single event of the past year was the initial operation of the pumping-generating station associated with this development. Construction progress is briefly mentioned in the following paragraphs but the pumped-storage scheme in its entirety is the subject of a special article at the conclusion of this Section.

Following the completion of the reservoir, pumping of water from the canal into storage began on June 27 and the first three units successively delivered power to the network for the first time on July 17, October 21, and December 9. By the end of the year the fourth unit was completely installed, and work on the remaining two units had reached generator level.

At the main generating station, where the headworks for 16 units had been already established, hoists for the last four headgates were installed. Concreting



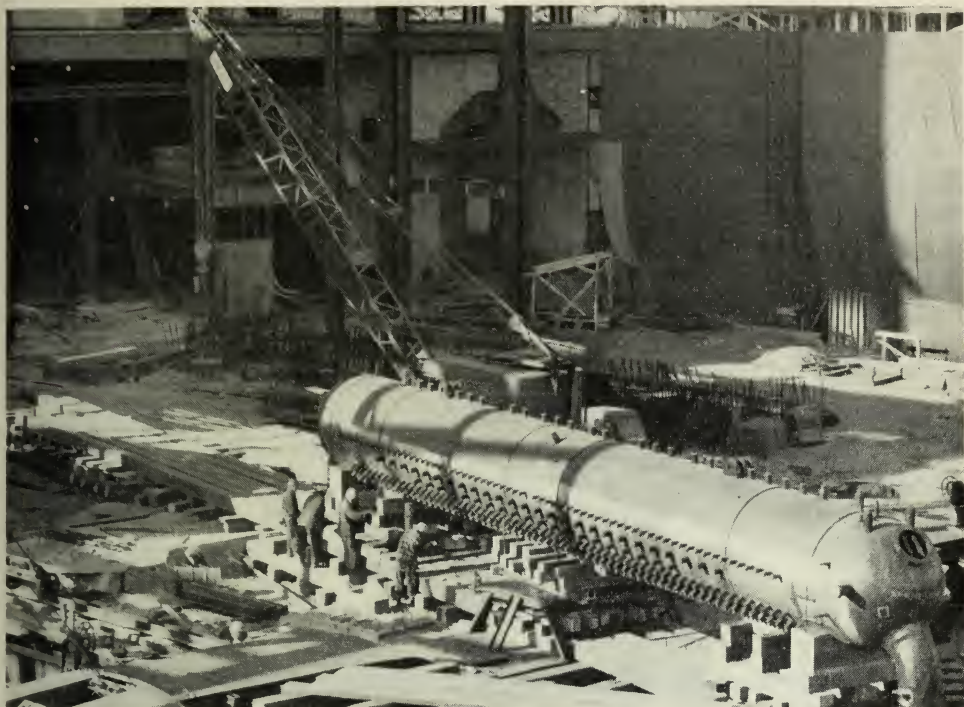
SIR ADAM BECK-NIAGARA GENERATING STATION No. 2—Construction of a new generating station draws to an end. Fourteen of sixteen generating units have been placed in service. In 1958 this station, with all units in service, will contribute more power to the Commission's output than any other station.

was finished for the powerhouse structure, and in December two of the four additional units were placed in service.

Dedication ceremonies on September 28 marked the official opening of the Grass Island control dam where the last four sluices had been placed in operation some two months earlier. As part of the extensive remedial works begun in 1953 this structure is making an important contribution not only towards enhancing the beauty of the falls as required by the Niagara Diversion Treaty of 1950, but also towards achieving the most efficient use of the water made available for power purposes under the same treaty.

RICHARD L. HEARN GENERATING STATION—TORONTO

<i>Location</i>	—Eastern area of Toronto's waterfront.
<i>Installed Capacity</i>	—1,200,000 kilowatts, 60 cycles (400,000 kilowatts in 4 units, and 800,000 kilowatts in 4 units).
<i>In Service</i>	—Unit No. 1, 1951; Units No. 2 and 3, 1952; Unit No. 4, 1953.
<i>In-Service Schedule</i>	—Unit No. 5 in 1958, Unit No. 6 in 1959, and Units No. 7 and 8 tentatively in 1960.
<i>Estimated Cost</i> (4 additional units)	—\$107,640,000, including generation, step-up transformation, and high-voltage switching at the site.



RICHARD L. HEARN GENERATING STATION — A 165-ton, steam drum, 56 feet in length, is skidded closer to the turbine block for number 5 unit. From there it will be hoisted into position 140 feet above ground-level.

The piling for all four units in the present extension is now complete, and turbine blocks for two of the units are under construction. In the Unit No. 5 area, steel work for boiler-suspension and boiler-house brickwork was well advanced. Orders have been placed for the major items of equipment for all four units.

LAKEVIEW GENERATING STATION—NEAR TORONTO

Location —On Lake Ontario just west of Toronto.

Initial Installed

Capacity —600,000 kilowatts in 2 units, 60 cycles.

In-Service Schedule —Unit No. 1 in 1961 and Unit No. 2 in 1962.

Estimated Cost —\$98,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Geological investigations for the proposed site were undertaken in the early autumn and work is proceeding on station layout, engineering studies, and the preparation of specifications. The first two 300,000-kilowatt turbo-generator sets are now on order and work is scheduled to begin at the site during the summer of 1958.

NUCLEAR POWER DEMONSTRATION (Capacity 20,000 kilowatts—installed)

Construction of the 20,000-kilowatt Nuclear Power Demonstration Project was halted in April 1957 to permit the introduction of an improved reactor design. Continuing studies carried out in close collaboration with Atomic Energy of Canada Limited will enable the Commission, when feasible, to take a prominent part in carrying out the development of a large-scale nuclear power plant, thus advancing the date when nuclear power will become economic in Canada. There is good basis for the expectation that by 1965 or 1966 the Commission will be producing base-load power from nuclear resources at prices reasonably competitive with those of conventional sources.

Transformer Stations

Transformation facilities in the Southern Ontario System during 1957 were enlarged to meet new power demands from areas of concentrated industrial activity and to meet added 60-cycle requirements arising from the Commission's frequency standardization program. Extensive construction was carried out to provide the necessary facilities to carry the output of the Robert H. Saunders-St. Lawrence Generating Station.

Stations in the Toronto Area

The first stage of standardization at Leaside Transformer Station was completed with the installation of two 215,000-kva autotransformers. A third autotransformer will be installed, bringing the total capacity of 60-cycle, 230—115-kv transformation there to 645,000 kva. Leaside Transformer Station, in addition to its function as a main terminal station, will eventually supply 13.2- and 26.4-kv power to certain sections of east Metropolitan Toronto. Three 50,000-kva 230—27.6/13.2-kv transformers are being installed to supply low-voltage, 60-cycle power to adjacent suburban areas. The station will also house equipment for the supervisory control of a number of transformer stations. In west Metropolitan Toronto the capacity of A. W. Manby Transformer Station is also being increased. Plans call for the removal of all 25-cycle facilities and the replacement of five 115,000-kva autotransformers and one 75,000-kva, 25-cycle transformer bank by four 215,000-kva autotransformers. A number of transformer stations in the Toronto area will be controlled from this station. At Richview Transformer Station two 50,000-kva, 230—27.6-kv transformers were installed in 1957. Previously this station had served as a switching point only.

Increases in the 60-cycle capacities of 115-kv transformation facilities were made at many of the 115-kv transformer stations in the area. Frequency standardization of John Transformer Station was completed with the removal of all 25-cycle equipment and the installation of four 60-cycle transformers with higher ratings. Present plans also include substantial increases in capacity for other stations in Metropolitan Toronto and the construction of a new station with an ultimate capacity of 160,000 kva in the downtown section of the city.

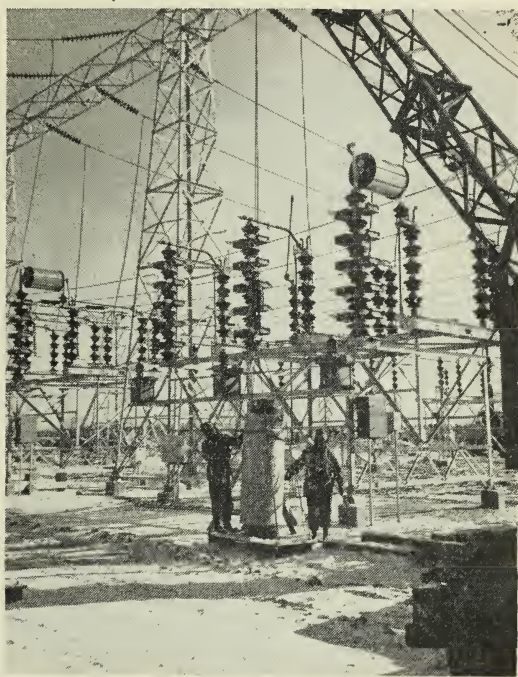
Cherrywood Switching Station is being extended to provide switching for a total of thirteen 230-kv, 60-cycle circuits. The 230-kv, 25-cycle switching at present in use at the station will be incorporated into the 60-cycle switching arrangements in the final stage of this work.

Synchronous Condenser Capacity

A 48,000-kva synchronous condenser was placed in service at Detweiler Transformer Station as part of a plan to substantially increase synchronous condenser capacity in the Southern Ontario System. The optimum effect in voltage control and system stability will result if other major installations are made in the Toronto-Hamilton area. Work is already under way at A. W. Manby Transformer Station to rebuild a 40,000-kva, 25-cycle synchronous condenser to a 60-cycle rating of 48,000 kva. A similar unit at Burlington Transformer Station will be rebuilt in the same way. Approximately 75,000 kva will be provided in the Toronto-Leaside area.

St. Lawrence Transformer Station

Three 230-kv, air-blast circuit-breakers and a second 115,000-kva, 230—115/13.2-kv autotransformer were placed in service at St. Lawrence Transformer Station. The circuit-breakers terminate lines from Quebec Hydro's Beauharnois Generating Station, the future Ottawa-Hawthorne Transformer Station, and Richview Transformer Station. The second autotransformer with its associated switching and equipment reinforces the 115-kv section of the station. The general expansion of the 230-kv, 60-cycle system in eastern Ontario was reflected also in the plan to install 230-kv switching at Ottawa-Hawthorne Transformer Station and to build a new switching station at Hinchinbrooke about 25 miles north of Kingston. Hinchinbrooke Switching Station will serve as a mid-point station in the main trunk transmission system and as a point of bulk supply for the Kingston area where a new transformer station is also planned for 115-kv supply.



ST. LAWRENCE POWER PROJECT—Erection of a 230-kv, 15,000,000-kva, air-blast circuit-breaker at St. Lawrence Transformer Station. In the background, coupling capacitors and 230-kv line disconnect switches terminate outgoing 230-kv transmission lines.

Stations in the Western, West Central, and Niagara Regions

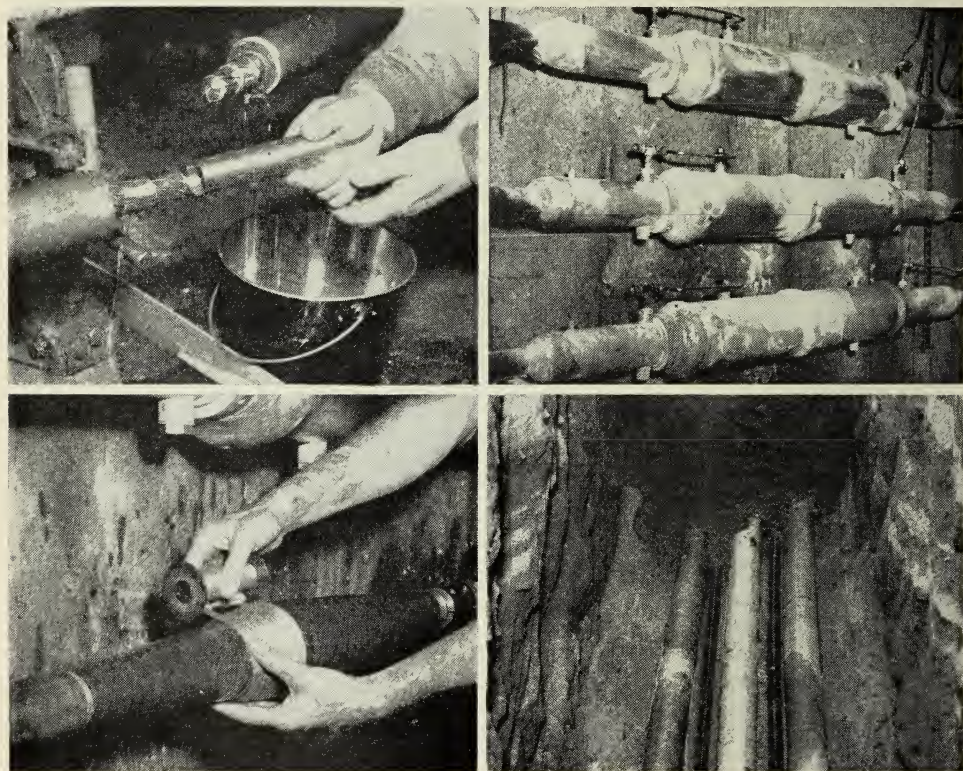
The standardization of electrical equipment in the Western, West Central, and Niagara Regions resulted in extensive changes in transformation facilities in these regions as 60-cycle requirements increased. The 60-cycle capacity of Burlington Transformer Station was doubled when two 115,000-kva transformers were replaced by two 215,000-kva autotransformers. The new 60-cycle station at Beamsville was placed in service to supply power to customers in the area between

Hamilton and St. Catharines. Design is under way for a fourth 115,000-kva autotransformer to be installed at E. V. Buchanan Transformer Station. In the Sarnia area work is proceeding for the installation of two 56,000-kva transformers at Sarnia Transformer Station and two 50,000-kva transformers at St. Clair Transformer Station.

Transmission Lines

Major extensions of the transmission network were under construction in the Southern Ontario System, particularly in the eastern part of the Province. There the 230-kv facilities are being substantially enlarged to prepare for the placing in service of Robert H. Saunders-St. Lawrence Generating Station.

The new powerhouse will be linked with St. Lawrence Transformer Station by four 230-kv, single-circuit lines now under construction. From this station two



115-KV UNDERGROUND CABLE CIRCUITS BETWEEN
RIVERSIDE JUNCTION AND TORONTO-STRACHAN TRANSFORMER STATION

- Upper left: A jointing ferrule is used in the preparation of a stop-joint in the oil-filled cable.
- Lower left: Dielectric shielding is wound carefully round the joint.
- Upper right: Completed stop-joint awaits permanent oil piping and final wrapping with rubber bitumen covering.
- Lower right: A circuit comprising three cables, with water-carrying polyethylene pipes between, lies on sand in the bottom of a trench. Cables will be covered with 3 inches of sand and concrete blocks 4 inches thick.

230-kv lines are under construction, one a single-circuit line extending 47 miles north to Ottawa, the other a double-circuit line connecting St. Lawrence Transformer Station with the new switching station to be built at Hinchinbrooke, 102 miles to the west. Both lines will be strung on steel towers of a new Commission design. The larger part of the line to Ottawa was placed in service. Until the new generating station is producing power this section will form part of a 60-cycle circuit from Beauharnois Generating Station in Quebec. The line to Hinchinbrooke will be extended 16 miles southeast from that point by a double-circuit line to the Kingston area, and northwest from Hinchinbrooke Switching Station by some 90 miles of single transmission circuit to Ross L. Dobbin Transformer Station near Peterborough. The first steel towers have been erected for the single-circuit line to Ross L. Dobbin Transformer Station and preliminary engineering has been carried out for the double-circuit line to the Kingston area.

In Metropolitan Toronto four 115-kv underground cable circuits, each with 3 single-phase cables, were installed between Riverside Junction near the Humber River and Toronto-Strachan Transformer Station. The underground cables, which are of the oil-filled, directly buried type, replaced a four-circuit, steel-tower transmission line. Provision has been made for cooling the cables by water circulating through plastic pipe laid adjacent to the cables. The high-voltage underground cable system was expanded further when two 2,700-foot lengths of 115-kv underground cable circuits were placed in service between Toronto-Leaside Transformer Station and Todmorden Junction. About 3 miles of 115-kv, four-circuit, steel-tower transmission line with two circuits strung were placed in service between Todmorden Junction and Lumsden Junction.

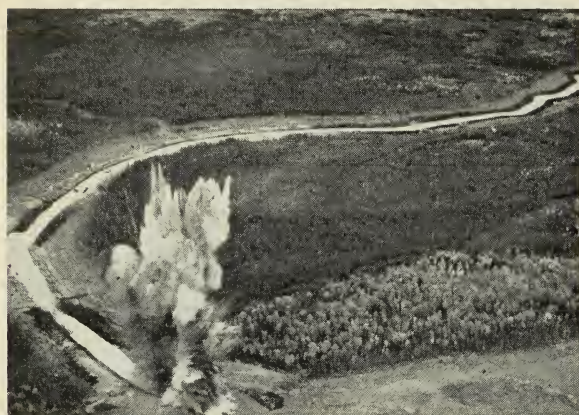
In southwestern Ontario major transmission line construction took place in the Niagara and Sarnia areas. In conjunction with other additions to transmission facilities associated with Sir Adam Beck-Niagara Generating Station No. 2, preliminary engineering was carried out for the relocation of the 230-kv and 69-kv lines across the Niagara River. The rearrangement is being undertaken at the request of the Power Authority of the State of New York to facilitate the construction of a new generating station on the United States side of the river. Eight miles of 230-kv, double-circuit transmission line were built between Burlington Transformer Station and Horning Mountain Junction and the two circuits of the new line were temporarily connected in parallel with the present two circuits from Sir Adam Beck-Niagara Generating Station No. 2.

For the supply of increasing loads in the Sarnia area a new 230—115-kv transformer station is planned for Sarnia. It will be supplied from E. V. Buchanan Transformer Station some 60 miles to the east over a new 230-kv, double-circuit transmission line. Engineering and surveys were begun to provide a suitable right of way.

NORTHERN ONTARIO PROPERTIES

Progress on Power Developments

An item of particular interest in the year's activities in northern Ontario was the carrying out of the Lake St. Joseph water diversion. This lake is in the Albany River watershed. In 1935 the Commission built Rat Rapids Generating



ROOT RIVER DIVERSION

Two and one-half tons of explosive breach the height of land that separates the watersheds of the Albany and English Rivers.

Station and certain control facilities to use the normal flow which is eastward and northward to James Bay. Much greater advantage can now be derived from the water if it is diverted in part into the south watershed and used on the English River. The height of land was therefore breached and a $\frac{1}{4}$ -mile canal was constructed to connect Lake St. Joseph with the Root River flowing southwest into Lac Seul. A control dam was constructed $1\frac{3}{4}$ miles down stream from the canal and the

intervening river channel was improved. The resulting average increase in flow in the English River will amount to some 2,800 cfs, permitting four units at Manitou Falls Generating Station to be operated for base load and a fifth for peak. The capacities of other stations on the English River will be increased accordingly. The amount of water diverted will be jointly controlled by the newly constructed dam and the facilities associated with Rat Rapids Generating Station. At times of excessive flow it may be possible still to operate one unit at this station.

WHITEDOG FALLS GENERATING STATION—WINNIPEG RIVER

<i>Location</i>	—30 miles northwest of Kenora and 12 miles due east of the Manitoba boundary.
<i>Dependable Peak Capacity</i>	—54,000 kilowatts in three units, 60 cycles.
<i>Rated Head</i>	—50 feet.
<i>In-Service Schedule</i>	—1958.
<i>Estimated Cost</i>	—\$19,200,000, including generation, step-up transformation, and high-voltage switching at the site.

The main dam will span the south channel of the river at Whitedog Island just up stream from the confluence of the Winnipeg and English Rivers. The structure, some 1,150 feet in length, was completed by the end of the year. It includes the three-unit powerhouse, adjoining headworks, and nine sluiceways, two of them motor-operated. Mechanical equipment for the sluiceways was installed. Work on the turbines and generators was proceeding on schedule, the first unit to be in service in February 1958.

CARIBOU FALLS GENERATING STATION—ENGLISH RIVER

Location —41 miles northwest of Kenora and 8 miles due east of the Manitoba boundary.

Dependable Peak

Capacity —67,500 kilowatts in three units, 60 cycles.

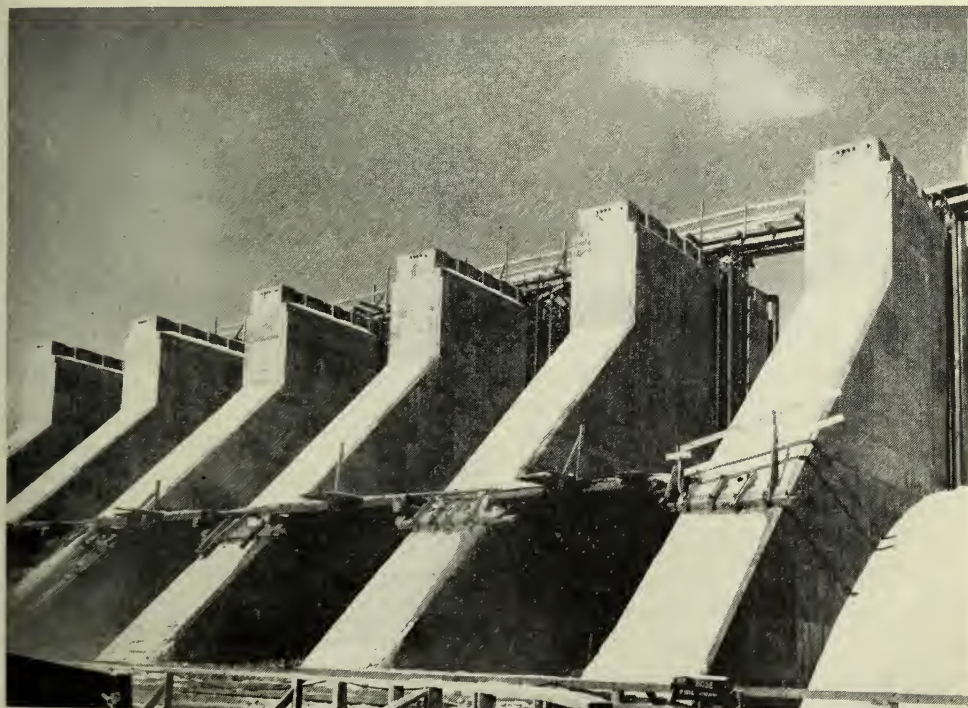
Rated Head —58 feet.

In-Service Schedule —1958.

Estimated Cost —\$26,150,000, including generation, step-up transformation, and high-voltage switching at the site.

A 1,260-foot gravity-type dam incorporating the powerhouse is extended at one end by a 450-foot clay and earth-fill wing-dam. There will be nine sluices in the concrete part of the structure. Two of them will be motor-operated.

By the end of the year the erection bay, the earth-fill dam, and the east and west bulkheads were built. Concrete work was almost finished in the area



CARIBOU FALLS GENERATING STATION—Six of the nine sluiceways which have been built at this new power development on the English River. Each sluiceway is equipped with gates, two of them motor-operated, which will assist in regulating the level of the headpond.

of Unit No. 1 and the turbine was being installed. This unit is scheduled for service in July 1958. Embedded parts for the second unit were being installed and construction for the third unit was at scroll-case level.

The clearing of the headpond area was one of the most extensive operations of its kind ever carried out by the Commission. It was undertaken in conformity with regulations of the Provincial Department of Lands and Forests. Some 18,000 acres had been completely cleared by the end of the year. The pulpwood was piled and awaiting removal.

SILVER FALLS GENERATING STATION—KAMINISTIKWIA RIVER

Location —30 miles northwest of Fort William.

Dependable Peak

Capacity —45,500 kilowatts in one unit, 60 cycles.

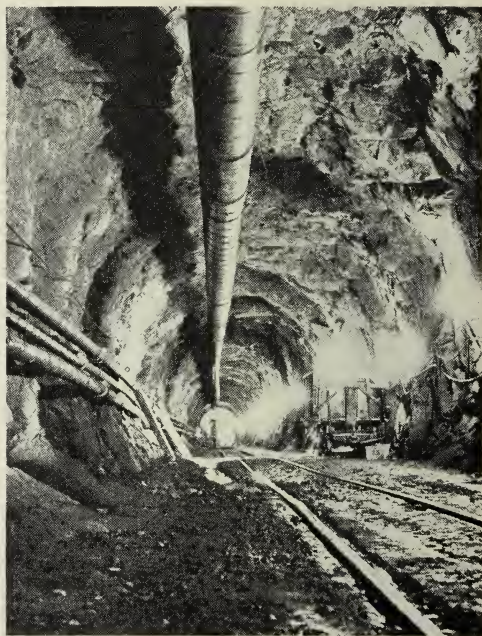
Rated Head —333 feet.

In-Service Schedule —1959.

Estimated Cost —\$14,000,000, including generation, step-up transformation, and high-voltage switching at the site.

This station will use the 350-foot fall in the 4-mile stretch of the Kaministikwia River between Dog Lake and Little Dog Lake. The intake structure will be placed on the shore of Dog Lake. For some 2 miles of the intervening distance to the powerhouse, water will be conveyed by a concrete-lined hydraulic tunnel 14.5 feet in diameter. The station will be controlled by radio from Port Arthur Transformer Station. Power will be carried to the system by a 115-kv, single-circuit, steel-tower line to a point on the Port Arthur-Moose Lake transmission line about 20 miles west of Port Arthur.

It was necessary to construct 3 miles of road from Little Dog Lake to the powerhouse site and to improve some 13.5 miles of other roads providing access to the construction areas. Tunnelling was begun in October and by the end of the year it had been carried about 1,500 feet.



TUNNEL AT SILVER FALLS GENERATING STATION
This tunnel will eventually extend 10,000 feet to carry water from Dog Lake to a single-unit powerhouse at Silver Falls on the Kaministikwia River. In effect an underground penstock, it will have a finished diameter of 14.5 feet.

THUNDER BAY GENERATING STATION—FORT WILLIAM

Location —North shore of the Mission River in Fort William.

Initial Installed

Capacity —100,000 kilowatts in one unit, 60 cycles.

In-Service Schedule —1961.

Estimated Cost —\$26,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Following the completion of site surveys and geological investigation, site layout and engineering studies were begun. These relate to station and switchyard layout, the circulating-water system, and the coal-handling installation. Grading and dock construction are to begin in the spring of 1958.

Extensions to Stations in Service

MANITOU FALLS GENERATING STATION (Capacity 65,700 kilowatts in 5 units)

The station is located on the English River 20 miles down stream from Ear Falls. The headworks and draft-tube section for Unit No. 5 were concreted when Unit No. 4 was completed in 1956. The powerhouse was completed during 1957 and the turbine was installed. Progress on the hydraulic and electrical installation was sufficient to permit the in-service date of the fifth unit to be advanced by two months to mid-March 1958.

ALEXANDER GENERATING STATION (Capacity 60,900 kilowatts in 5 units)
and

CAMERON FALLS GENERATING STATION (Capacity 76,700 kilowatts in 7 units)

Both these stations on the Nipigon River are being increased in capacity. At Alexander Generating Station a 19,000-brake-horsepower unit is being installed in an extension of the present structure. Assembly of the generator was under way at the end of the year and the unit was expected to be in service by late spring 1958.

The work at Cameron Falls Generating Station included the design and construction of a seventh unit to be housed in a separate structure east of the present six-unit powerhouse. It also involved rehabilitation of the concrete wing-walls of the present station. Turbine installation was under way and the additional unit was expected to be in service by the beginning of June 1958.

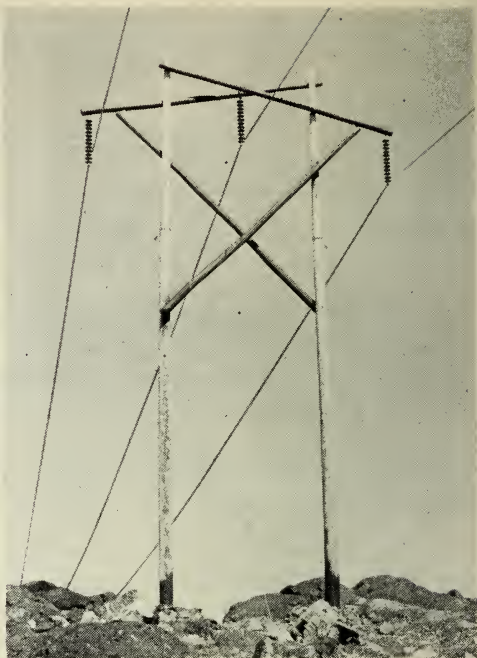
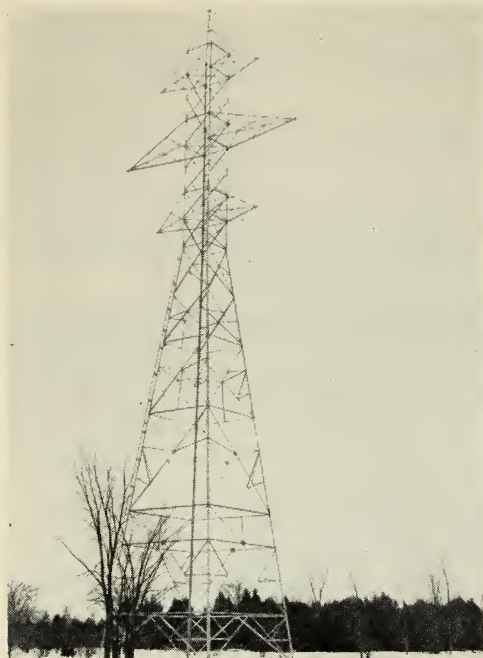
ABITIBI CANYON GENERATING STATION (Capacity 226,000 kilowatts in 5 units)

Engineering work was begun for the installation of a new 60-cycle, 48,000-kva generator and associated transformer bank at Abitibi Canyon Generating Station. The major equipment has been ordered.

Transformer Stations and Transmission Lines

Northeastern Division

Changes in transformation and transmission facilities in the Northeastern Division were made in 1957 to meet new demands for power from the Commission's mining customers and in preparation for the Commission's frequency standardization program in the northeast.



Left: A 230-kv, double-circuit, steel tower built to Commission specifications dominates the landscape in eastern Ontario. The tower is 140 feet in height with a maximum arm width of 48 feet.

Right: Spar-armed, spar-braced poles, 80 feet in height, carry a 200-mile, 230-kv transmission line across the rough ground of the Canadian Shield in northern Ontario.

Elliot Lake Transformer Station and Quirke Lake Transformer Station, both in the Blind River mining area, were placed in service early in the year. Upon completion of the work now under way each station will have a step-down capacity of 45,000 kva from 115 to 44 kv, 30,000 kvar of switched capacitors, and 10,000 kva of synchronous condensers. The 20,000-kva transformer station at Larchwood near Sudbury was placed in service. Two 115,000-kva, 230—115/13.2-kv autotransformers with associated switching facilities were added at R. H. Martindale Transformer Station to facilitate the transfer of 60-cycle power from the Southern Ontario System to areas near Blind River and Sudbury. Additional power will be supplied by 200 miles of new 230-kv line being built from Otto Holden Generating Station to Blind River Transformer Station. The 93-mile section of this line which lies between R. H. Martindale and Blind River Transformer Stations was completed in 1957 and will be operated initially at 115 kilovolts. The remainder of the line will be completed in 1958.

The standardization of 25-cycle loads in the northeast involves the installation of 29,000 kva of 60-cycle transformation at Timmins Transformer Station and the construction of about 70 miles of 115-kv line. This line includes sections between Upper Notch Generating Station and Kirkland Lake and a section from a point some 50 miles northwest of Kirkland Lake westward to Timmins. The connection to Timmins will be made at Monteith where a new switching station will be built. Construction of the line will be completed early in 1958. With the installation of a 48,000-kva, 60-cycle generator now under way at Abitibi Canyon Generating Station, one of the 115-kv, 25-cycle circuits from the station will be changed to

60-cycle operation. Voltage regulating transformers will be installed at several stations in this area to provide adequate voltage control.

Engineering assistance was provided to the Great Lakes Power Corporation for the construction of a 49-mile, 230-kv, wood-pole line between the Commission's George W. Rayner Generating Station and Sault Ste. Marie.

Northwestern Division

Early in the year one circuit of the 115-kv, double-circuit line between Kenora and Whitedog Falls Generating Station was placed in service, initially to provide construction power to the site of the new generating station. A second circuit was placed in service at the end of the year to permit the first to be connected to its permanent position on the 115-kv bus and to facilitate structural changes at Kenora Switching Station. A 115-kv, single-circuit line between Whitedog Falls and Caribou Falls was placed in operation similarly to provide power to the latter site during construction. These lines, together with transformer stations planned for Kenora and Fort Frances and 102 miles of twin-pole, 115-kv line built between these two municipalities, will be used to transmit the output of these generating stations.

Four 16,700-kva autotransformers are being installed at Fort Frances Transformer Station where switching facilities will be provided for circuits to Kenora, Moose Lake, and to stations owned by the Ontario-Minnesota Pulp and Paper Company. The single-circuit, wood-pole line from Kenora to Fort Frances was completed in November. The purchase of a 62-mile section of line east from Fort Frances will complete the loop linking Moose Lake, Dryden, Kenora, and Fort Frances.

In the Fort William area new switching arrangements and 115-kv line construction were begun in order to supply increased loads of two industrial customers there. About 3 miles of 115-kv, double-circuit line from Port Arthur-Birch Transformer Station to the switching station at Fort William will be restrung as part of this work.

Survey work was undertaken for routes for transmission lines from the site of Thunder Bay Generating Station at Fort William and from a new station under construction at Silver Falls. A 25-kv line being built between Marathon and White River is expected to be completed early in 1958.

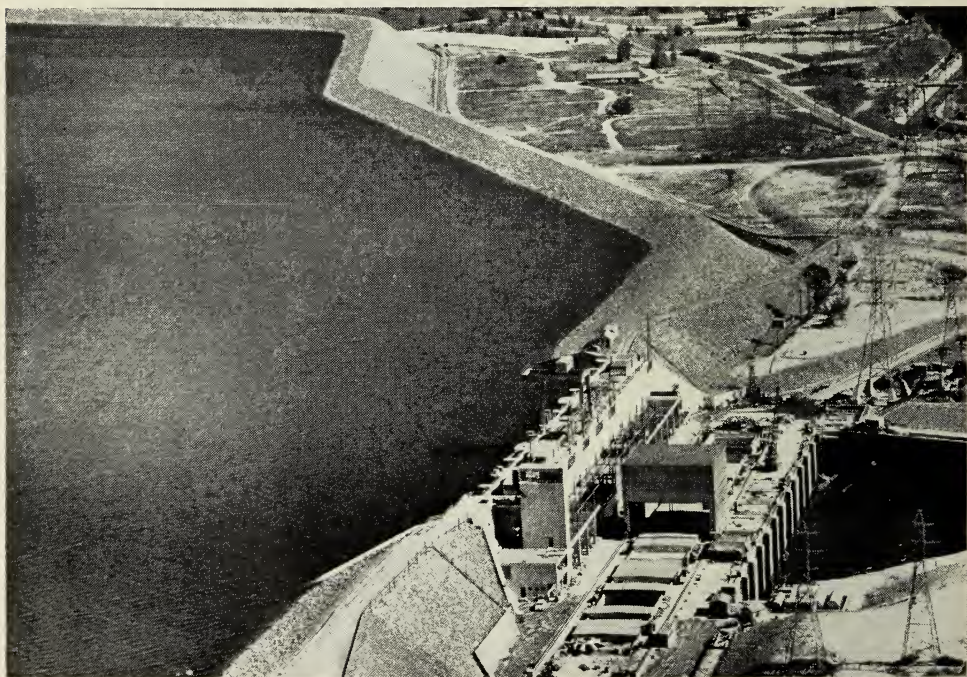


The Commission's transmission line crews work year round in good weather and bad to bring electricity to every section of Ontario. Here, crews near Lake Timiskaming erect a 115-kv, wood-pole line in mid-winter.

PUMPING-GENERATING STATION**Associated with Sir Adam Beck-Niagara Generating Station No. 2**

For the first five years after the end of World War II the Commission, though facing a growing power shortage, was inhibited by the restrictive terms of the Boundary Waters Treaty from expanding its resources on the Niagara River. Under the treaty only a specified amount of water was available from the river for the production of power. With the signing of the Niagara Diversion Treaty of 1950 the amount of water required to flow over the falls was specified—not less than 100,000 cfs during daylight hours of the tourist season nor less than 50,000 cfs at any other time. The amount available for power was thus permitted to vary with the total flow. It now became possible, without loss to the scenic beauty of the falls, to divert substantially larger quantities of water for power and the Commission began at once the construction of Sir Adam Beck-Niagara Generating Station No. 2. Five years later the combined dependable capacity of the two Sir Adam Beck stations was four times that of the original station in 1950.

When the twelfth unit was installed at the second station the Commission had again reached the maximum installation which the permissive diversion could sustain under conditions of natural flow. For a good part of the year, the larger quantity of water under these conditions is available during night hours when loads are light. In the absence of natural storage facilities, consideration was



PUMPING-GENERATING STATION — The powerhouse and part of the reservoir dike for the pumping-generating station associated with Sir Adam Beck-Niagara Generating Station No. 2. Sixteen thousand acre-feet of water can be stored behind the $4\frac{1}{2}$ -mile dike.

therefore given to a pumped-storage scheme which would permit the transfer of energy represented by this water to the daylight hours. A reservoir was established just to the north of the main generating stations where the land is some 300 feet above the river-level. The 6-unit pumping-generating station now approaching completion will use surplus night-time energy to pump water into the reservoir some 80 feet above the canal leading to Sir Adam Beck-Niagara Generating Station No. 2. The water returning to the canal will operate the units as generators to supply daytime loads and will also contribute materially to increased production through the main generating stations.

Water Storage

The 750-acre reservoir provides storage for about 16,000 acre-feet of usable water based on a 25-foot variation in water-level from a maximum of 625 to a minimum of 600 feet. The enclosing dike is basically a rock-filled embankment supporting an impervious clay core. Migration of clay particles from the clay core into the rock fill is prevented by a filter layer of graded material, and the upper surface is protected from erosion by a similar filter layer covered with riprap. Since the floor of the reservoir varies in elevation from a minimum of 570 feet to a maximum of 615 feet, slightly less than half the area is under water at low-water level.

Headworks

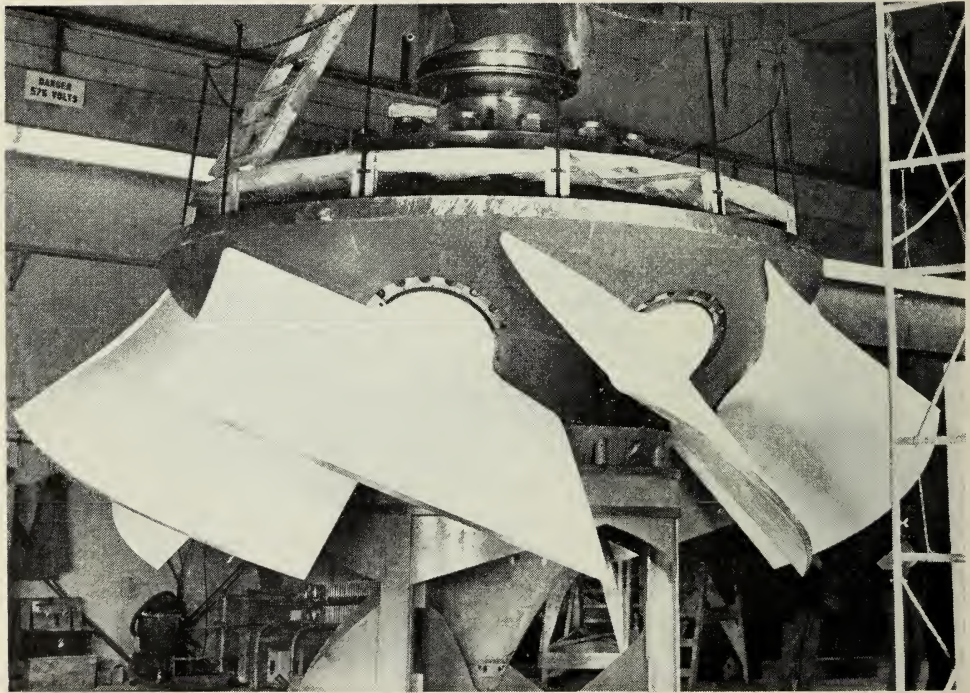
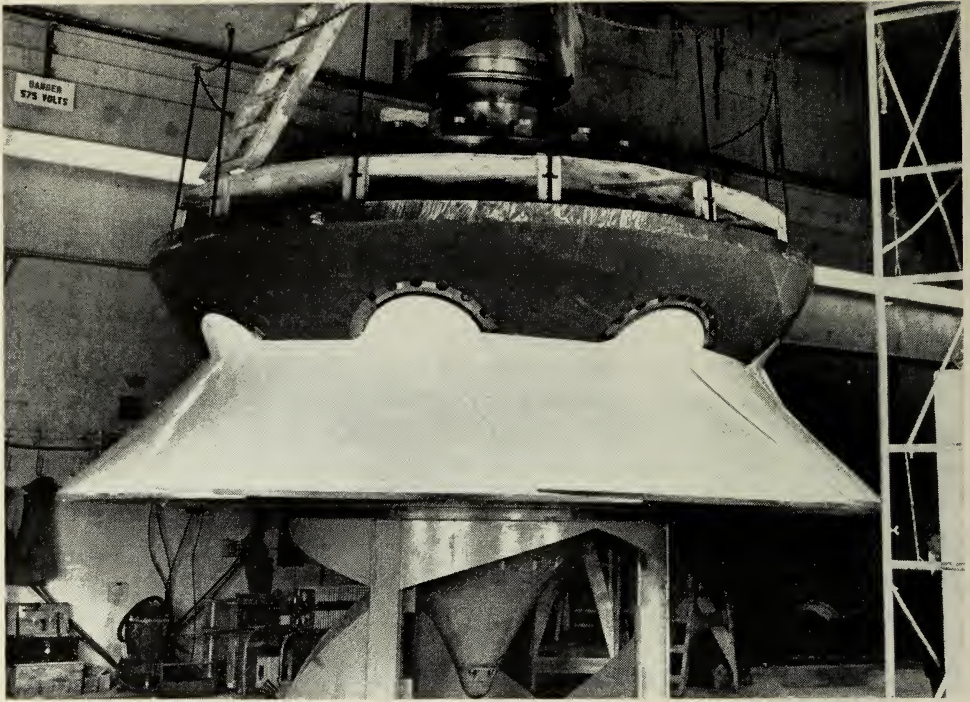
The concrete headworks provides six intakes, each divided by an intermediate pier and equipped with two headgates operated by electric fixed hoists. Service is provided by a 50-ton electrically operated gantry-crane on rails that run the length of the headworks deck.

Powerhouse

The six reversible pump-turbines will be driven by 55,000-horsepower synchronous motors which, at maximum efficiency, have a rated discharge capacity of 4,590 cfs at a pumping head of 75 feet. They will be capable of filling the reservoir in about 8 hours. When operated to generate power, each will have a capacity of 47,500 brake horsepower at maximum turbine discharge of 5,700 cfs and net head of 85 feet.

The diagonal-flow runners have adjustable blades, the angle being automatically adjusted by an oil-operated mechanism. In the closed position the blades overlap, effectively shutting off all flow. With the blades closed, the unit can be brought conveniently to pumping speed. As the blades are gradually opened, pumping is begun without the attendant instability commonly encountered in conventional pump-turbines.

A major economy in construction cost was achieved by the omission of the customary powerhouse superstructure. The generators are protected at deck-level by split hatch-covers moving on horizontal rails extending the length of the powerhouse. The units are serviced by a 175-ton, housed-in, electric gantry-crane which becomes in effect a movable superstructure section with overhead hoisting facilities. A 30-ton, gasoline-driven, mobile crane provides lifting service for the



PUMPING-GENERATING STATION HYDRAULIC EQUIPMENT—One of the impeller-runners for the six mixed-flow, variable-pitch, reversible pump-turbines at the pumping-generating station, shown in the open and closed positions. Above, with the blades closed, the runner will act as a seal. Below, with the blades open, each unit will have a capacity of 47,500 brake horsepower at maximum discharge and net head of 85 feet.

tailrace. It will be used also at the main Sir Adam Beck-Niagara Generating Stations and the Grass Island control dam as well as for general maintenance in the Niagara Region.

The six 3-phase, 60-cycle motor-generators are totally enclosed and water-cooled. As motors, operated at 13,350 volts, they will each develop 55,000 horsepower; as generators, they will each have a rated capacity of 31,000 kva at 0.95 power factor. The combination thrust-guide bearing mounted under the rotor spider is pressure lubricated at low speeds to minimize friction.

Each of the units is protected by a single air-blast circuit-breaker, and a bank of three single-phase, 38,000-kva, 13.5—237-kv, forced-air-cooled transformers is connected delta-wye to each group of three motor-generators. A 230-kv, double-circuit transmission line connects the station with the switchyard of Sir Adam Beck-Niagara Generating Station No. 2.

NIAGARA RIVER REMEDIAL WORKS

In the 36 miles from its point of origin at the eastern end of Lake Erie to its outlet on Lake Ontario, the Niagara River has a 326-foot drop in elevation. Nearly half of this is concentrated at the spectacular falls. If the waters of the river were permitted to flow untrammelled by the devices of man, some 200,000 cfs on the average of surplus water from the extensive reservoir of the upper Great Lakes would thunder over the cataract. The evidence of history is that the centre of the Canadian horseshoe falls, continuously eroded by a heavy concentration of water, would recede at a rate of approximately 4 feet per annum. Flow over the remainder of the horseshoe crestline and over the falls on the United States side would continue to decline. The effect would be most detrimental to the present beauty of the falls.

Flow has, of course, not been unrestricted since diversions of water have been necessary for sanitation, navigation, and power. These diversions have had an incidental but beneficial effect in retarding the erosion process. The resulting lowering of levels in the upstream Chippawa-Grass Island pool, however, in conjunction with the natural concentration of flow at the centre of the falls, has tended to reduce still further the flow over the American falls and on occasion to leave the flanks of the horseshoe falls almost dry. The need, therefore, for a definitive plan that would both preserve and enhance the beauty of the falls and at the same time permit the optimum use of water for power and other purposes has been a matter of international concern for many years.

The first steps towards implementing such a plan were taken when the Governments of Canada and the United States, under the terms of the Niagara Diversion Treaty of 1950, requested the International Joint Commission to make recommendations for remedial works in the river. These works were to be designed to distribute the river-flow more evenly so that an unbroken curtain of water would extend over the entire crestline of the falls. The new treaty also revised terms under which water may be diverted for power purposes up stream from the falls. It was necessary, therefore, to provide compensation in some form for the effects which these revisions would have on water-levels in the upstream areas.



GRASS ISLAND CONTROL DAM — The dam enters its final stage of construction as the last three gates are installed. Thirteen of these gates, each hinged at the lower edge, now control the level of water in the Chippawa-Grass Island pool up stream from the dam.

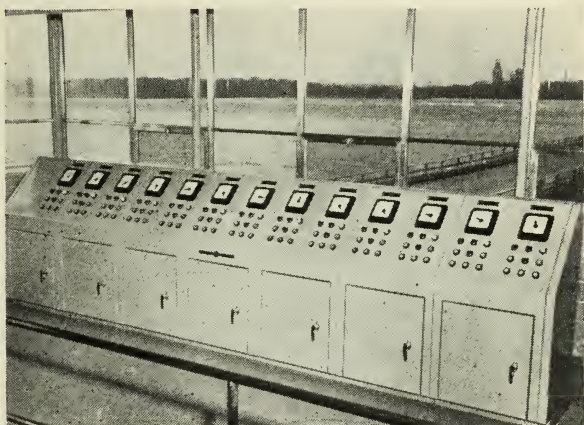
At one time diversions for power were limited to 56,000 cfs. Under the pressure of increasing power demands during the 1940's they were increased to 89,000 cfs. Under the terms prescribed by the treaty of 1950 permissible diversion will vary with the flow in the river after specified allowances have been made for the scenic requirement of the falls. This requirement is that flow at no time shall be less than 50,000 cfs. During daylight hours of the period April 1 to October 31 flow must not be less than 100,000 cfs.

It was necessary for the analysis of problems involved in constructing the remedial works, first to obtain detailed information on the physical and hydraulic conditions in the cascades and at the crest of the falls. For certain otherwise inaccessible areas this information was derived by unusual survey methods using helicopters, kytoons, and searchlights. It was then incorporated in hydraulic models of the river, one at the Commission's A. W. Manby Service Centre and the other built by the Corps of Engineers, United States Army at the Waterways Experiment Station, Vicksburg, Mississippi. The specifications for the remedial works were based on exhaustive studies of flow conditions disclosed by the models.

The recommendation was for excavation in certain areas and fill at the extremes on both the Canadian and the Goat Island flanks of the horseshoe falls, and for the building of a structure to control the level in the Chippawa-Grass Island pool. The work of excavation and fill was to achieve the objective of redistributing flow over the entire crest of the falls. The control structure

would be designed to permit rapid changes in flow at the hours specified under the Niagara Diversion Treaty and still maintain acceptable levels in the upstream pool. This end could best be achieved by a gated dam 1,550 feet in length extending roughly at right angles from the Canadian shore. It has been constructed at a point about 200 feet down stream from the submerged weir constructed in earlier years for the purpose of adjusting the river-flow.

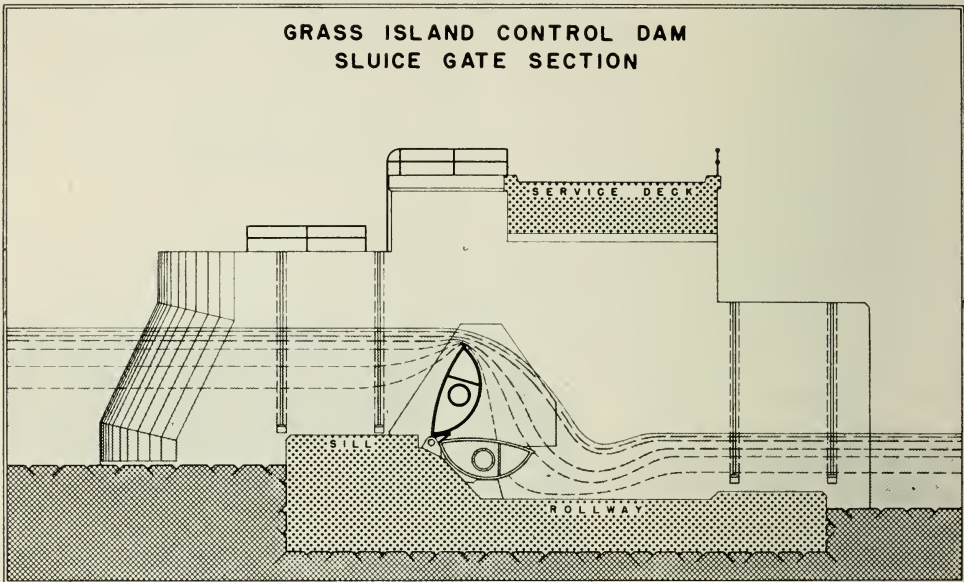
The work involved was entrusted to the combined effort of The Hydro-Electric Power Commission of Ontario and the Corps of Engineers, United States Army with the understanding that work in Canada would be carried out by the Commission and work in the United States by the Corps of Engineers. Costs were to be shared equally by Canada and the United States. Following approval of the International Joint Commission's recommendations, actual construction work was begun in 1953. The work of excavation and fill was finished in 1955. The control dam, designed by the Commission with the full co-operation of the United States construction agency, was built by the Commission's staff. It was begun in 1953 and completed in 1957. It was dedicated on September 28 by Hon. Alvin Hamilton, Minister of Northern Affairs and National Resources for Canada, and by Hon. Wilber B. Bruckner, Secretary of the United States Army. Administration and maintenance will be subject to an International Niagara Board of Control appointed by the International Joint Commission.



GRASS ISLAND CONTROL DAM — The operator, with a full view of the dam, regulates the movement of the gates from a central control structure. The panel shown indicates the position of each gate. Gates may be operated also from stations located in the piers.

The Grass Island control dam is 1,550 feet long and has 13 gated sluiceways, each 100 feet wide. The piers that form the sluiceways are 14 feet in width at the water-level and extend 91 feet along the axis of stream-flow. They are cantilevered laterally 14 feet on each side over the sills to a total width of 42 feet to form part of the service deck. The service deck spanning between cantilevers is a concrete girder and slab structure. Each span has six prestressed, precast girders with concrete diaphragms poured in place, and surfaced with roadway slab. Girders, diaphragms, and slab were then prestressed laterally to ensure proper load distribution. The piers are designed to withstand an ice thrust of 560,000 pounds; the service deck to carry a 70-ton crawler crane, or support the loads from a 45-ton crane working in any position.

Each sluiceway is equipped with a submersible overflow-type gate 10 feet 6 inches high and elliptical in vertical cross-section. Essentially, the gate is a structural steel frame covered with a stressed skin plate. Hinges at the lower edge permit the gate to swing through an arc of 70 degrees from a horizontal to an almost vertical position. Any intermediate position can be maintained by the operating mechanism actuated by hydraulic servomotors located in the piers adjacent to each gate.



Sketch of a gate of the Grass Island control dam shown in the open and closed positions. Each gate is 10.6 feet in height and has a maximum thickness of 4.5 feet. The gates turn on specially designed hinges spaced 5 feet apart along their bottom edge. They can be rotated through a 70° arc or held in any intermediate position.

The gates are designed to withstand a maximum hydrostatic head of 12 feet 6 inches, and an ice thrust of 500,000 pounds along any 10-foot length of the top of the gate. If loads should exceed the safe limit, an automatic release mechanism will permit the gate to swing freely to the horizontal position, thus relieving pressure by providing unobstructed passage through the sluiceway.

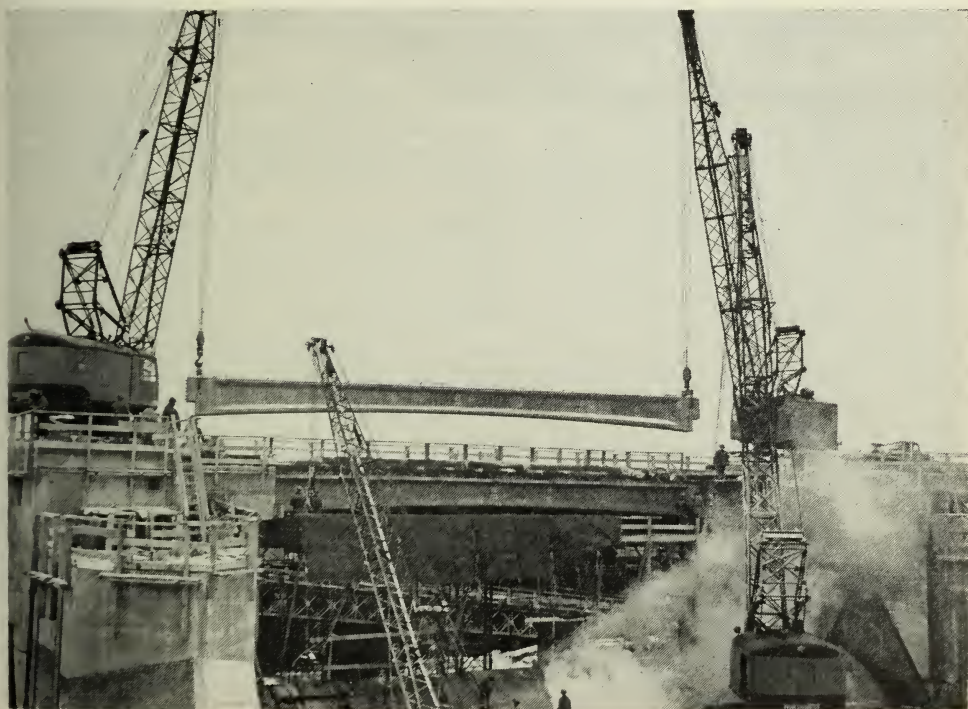
Model tests by the manufacturer showed that water flowing over the gate in an unbroken curtain produced a partial vacuum immediately down stream, behind the gate. This affected the discharge capacity and increased the force required to operate the gate. This difficulty was eliminated by introducing air behind the gates by means of flow splitters on the crests of the gates and by using 20-inch breather pipes embedded in the piers and extending above water-level. The formation of ice is prevented by a 110-kilowatt, automatically controlled, central heating system that circulates hot oil in pipes to seal plates, seals, and hinges. The system is automatically controlled in accordance with outside air temperatures.

A gate is rotated on its hinges by trunnions passing into the adjacent piers and connected to driving levers within them. Each gate is operated by its own hydraulic system of pistons and cylinders from operating chambers also located in the piers. It is raised by pressure supplied by oil pumped from a sump tank through a pipe connected to the hydraulic cylinders, and lowered by the release of oil to the sump tank. A 40-horsepower motor operates the main pump.

Construction of the dam required extensive cofferdamming. This was carefully scheduled so that stages in the extension of the cofferdam coincided with periods of increased water diversion at intakes up stream as additional units were put in service at Sir Adam Beck-Niagara Generating Station No. 2. This station was also under construction at the time. The river up stream was thus kept at a safe level throughout construction.

Studies based on hydraulic model tests indicated that construction could be most satisfactorily and economically accomplished in six stages. At the location selected the river-bottom was reasonably level. It was, therefore, possible to design a cofferdam that could be dismantled and used again for successive stages. This proved most satisfactory despite fast and turbulent river-flows.

The first-stage cofferdam enclosed the shore abutment and two piers. While construction for the first two gates proceeded within this area, the cofferdam for the second stage of two gates was erected. Upon the completion of the first two gates they were placed in service, the cofferdam enclosing them being dismantled



GRASS ISLAND CONTROL DAM — A 73-foot, prestressed concrete girder is lowered into position in the deck structure. Cantilevers projecting about 14 feet from each pier will support six of these girders. The girders will carry a concrete deck capable of supporting a 70-ton crane with a 75 per cent tipping load.

and erected again for the third stage. Work on each successive stage was carried out in a similar manner.

The shore abutments of the cofferdam were conventional rock-filled sections. A steel starter frame was attached to the out-stream crib and equipped with guides for the first interlocking steel frame. The cofferdam was then completed by driving H-piles through each frame to a firm base in the limestone rock of the river, loading the frame with concrete blocks, and, finally, driving sheet piling along the outside edge.

The frames were held cantilevered in place while the H-piles were being driven; then the frames were welded to the sides of the piles. Capsill beams welded to the tops of the piles provided supports for the concrete blocks. Thirty-six 6-ton concrete blocks were loaded on to the capsill beams of each 10-foot steel cofferdam section. The concrete blocks assisted in stabilizing the structure and provided a service road for the transport of construction materials.

Earth fill along the toe of the cofferdam made a watertight seal. Each cofferdammed area was pumped dry in a day and leakage was handled by a comparatively small pump. After an area was dewatered, steel struts were welded to the upstream leg of the cofferdam to stabilize the structure against extreme ice pressures.

For the purpose of future maintenance to the structure an arrangement of four top-loaded cribs resting on the upstream and downstream sills has been designed to span the 100-foot openings. Five gates approximately 20 feet in width fit into guides in the cribs to effect a closure.

The remedial works fulfil a need long felt on both sides of the International Border. They were completed in a most gratifying atmosphere of mutual co-operation between the Commission and the Corps of Engineers, United States Army. The Grass Island control dam stands as a further tangible expression of the cordial relations existing between Canada and the United States.

SECTION VI

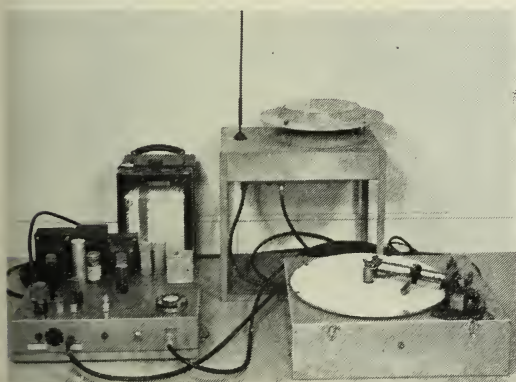
RESEARCH AND TESTING ACTIVITIES

THE Commission's research teams are continuously seeking methods by which operations can be facilitated and service improved. They are engaged also in the detailed analysis of the performance of materials and equipment to ensure that the maximum value is obtained from the Commission's purchase dollar. The benefits of their work are to be found in economies achieved through a wide range of activities.

OPERATIONS TECHNIQUES

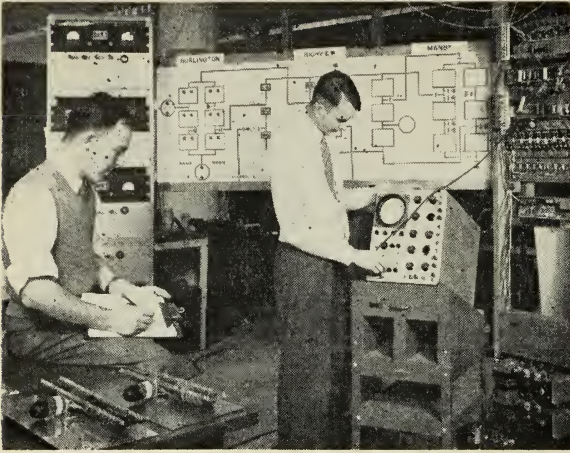
Power Transmission

A recently developed and relatively inexpensive method of cooling directly buried high-voltage cables gives promise of achieving large savings in the capital outlay required for underground transmission facilities. The necessary piping for the first application of the method was installed with the laying of 3½ miles of 4-circuit, 115-kv cable along the new Expressway in Toronto.



A lightning-stroke component counter provides data on certain characteristics of lightning as well as recording the number of strokes.

Studies with respect to extra-high-voltage transmission lines give promise that economies in design may be achieved and that these lines will meet performance requirements without causing unacceptable radio interference. Insulating methods for 115-kv lines were improved in a manner that will permit these lines to be operated at 250 kv, thus avoiding the necessity to construct new lines.



An experimental arrangement of a remote annunciator that will automatically indicate the position of each circuit-breaker in the Commission's 230-kv network. Engineers check part of a receiver assembly.

The new equipment will facilitate design, acceptance testing, and maintenance of major electrical items.

Communications for System Operation

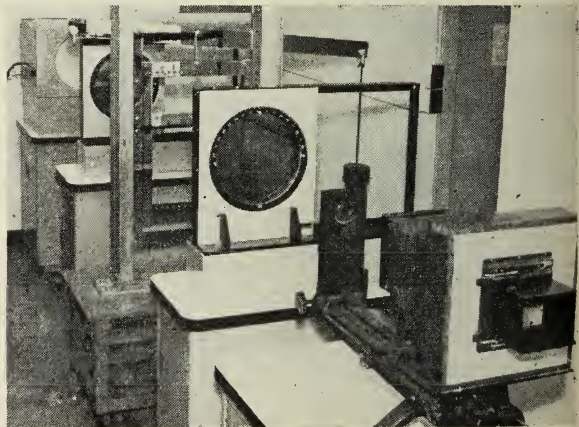
With the increasing extent and complexity of the system, operating decisions are more and more dependent on the prompt availability of accurate information. Important progress was made in methods for recording, transmitting, and displaying essential information.

Inventory Management

The application of scientific and mathematical principles to purchasing has resulted in improved control of inventories of standard items in central and regional stores. The timing of purchases and the quantities involved have been revised on the basis of an analysis of the significant time and cost elements in purchase procedures. The result is that adequate reserves of equipment can be maintained while the total cost of purchasing and holding the equipment inventory is substantially reduced.

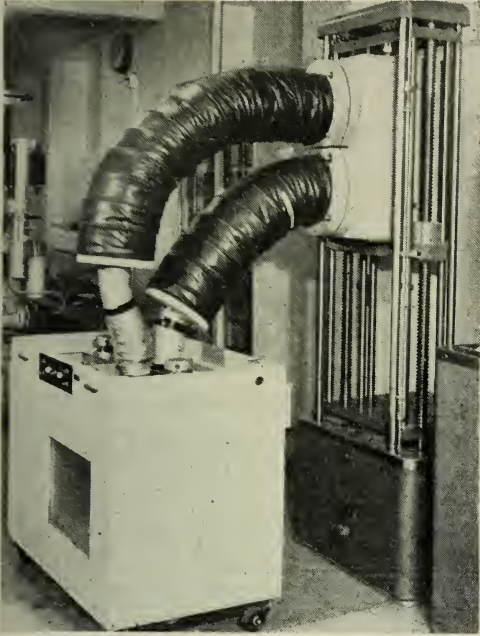
Electrical Insulation

Equipment has been developed for obtaining more complete information on the characteristics and service condition of insulation on large rotating machines and metal-clad switchgear. One item simulates both the mechanical and thermal conditions under which stator coils function, others locate and delineate areas in 13.8-kv rotating machines and switchgear where ionization is occurring in voids in the insulation. Premature deterioration following such ionization reduces the ability of insulation to withstand lightning and switching surges.



Stress analysis using a polariscope. Passage of polarized light through the stressed plastic model produces an optical pattern indicating stress distribution.

DESIGN AND CONSTRUCTION PROBLEMS



The flexibility of a plastic water-stop is tested at -40° Fahrenheit.

Concrete Durability

A long-term program of outdoor testing of specimens of concrete available to the Commission was initiated at the A. W. Manby Service Centre. Laboratory test data alone appear to be inadequate as a basis for estimating comparative durability of different concretes, and the results of outdoor tests of concrete by other organizations may have only limited application to the concrete used by Ontario Hydro or the weather to which it may be exposed.

Design Analysis

Problems of design for the Nuclear Power Demonstration plant demand a detailed knowledge of stresses, moments, and forces caused by restrained thermal expansion of the main steam-pipe. Flexibility analysis for such a pipe system is extremely complex. Following initial theoretical studies

and exploration of the possibility of obtaining useful information from model pipe systems using established stress-analysis methods, an advanced method

of theoretical flexibility analysis was successfully applied to the design of the Nuclear Power Demonstration main steam-pipe. A scale-in-length model of the pipe was constructed. With the model distorted to simulate restrained thermal expansion, the strains at carefully selected points were measured. From these values the stresses, moments, and forces expected in the prototype piping system were calculated. The same advanced method of theoretical analysis was applied to the preliminary design of the main steam-pipe for Lakeview Generating Station.

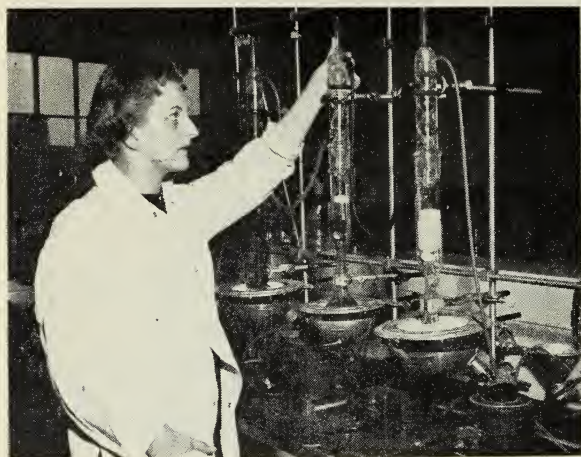


The light output and electrical characteristics of lamps are determined by means of this 114-inch sphere photometer. A technician places a 40-watt, 48-inch, fluorescent lamp in the sphere for testing.

Stress measurements on the headgates installed at the pumping-generating station at Sir Adam Beck-Niagara Generating Station No. 2 verified their adequacy and the suitability of the design, which is relatively new. The theoretical analysis based on the detailed factual information obtained will provide a basis for assessing the design of similar gates in the future.

METHODS AND EQUIPMENT FOR TESTING

An instrumentation system was developed for recording the torsional vibrations that occur in the shafts of large rotating machines, electric generators for example. Theoretical calculations regarding the generators being installed at Robert H. Saunders-St. Lawrence Generating Station indicated the possibility of detrimental



Extraction of hydrocarbons during tests to determine the amount of inert inorganic filler in roofing material

vibration in a unit if a turbine gate became blocked while the unit was operating. It was essential to devise some means of obtaining test data to check these theoretical results. The new equipment developed was used with satisfactory results on a generator in operation. It confirmed the adequacy of the method used for determining the torsional vibration characteristics of rotating machines.

The optimum design of an earth dam for impounding water is dependent on the accurate determination of the shear strengths of the soils used. Since air and water pressures within the soil structure complicate this calculation, these pressures must be accurately measured and taken into account. Laboratory equipment for the measurement of pore-water pressures has been modified with resulting improvement in accuracy of measurement.

The testing of materials and equipment for value and performance is widely applied in the fields of general physics, chemistry, metallurgy, mineralogy, as well as in other areas related to varied problems in utility operation.

SECTION VII

STAFF RELATIONS

AS certain major projects approach completion the Commission is fortunate in being able to meet new requirements of engineering, technical, and clerical staff by drawing on the skill and experience of those whose work on these projects is coming to a close. This situation, combined with the current easing of the recent general shortage of technical personnel, has greatly facilitated the recruiting program. As the pace of the work in thermal-electric generation accelerates, there will be an increasing need for engineers and draftsmen with experience in thermal engineering. There has already been a notable increase in the proportion of mechanical engineers in the total engaged.

Manpower Planning and Development

The large majority of the graduate engineers who entered the Commission's Junior Engineers Training Course in 1957 were recruited from Canadian universities. A two-year job-rotation scheme affords these young men an excellent opportunity to broaden their experience and to find interesting areas of work in the Hydro organization. Steady and encouraging progress is also being achieved in other aspects of the personnel development program. For example, nearly 1,000 persons every year receive instruction at the Commission's Niagara Falls Conference and Development Centre either in the techniques of supervision or in training courses designed to improve performance.



Student welders in the Commission's employ watch intently as their instructor skilfully welds two lengths of pipe.

About 470 employees were registered for training courses either by correspondence or by attendance at universities, trade institutions, conferences, or



An instructor demonstrates basic electrical principles to a group of students at the Commission's Conference and Development Centre.

seminars. Under the development program financial assistance is given to those who satisfactorily complete approved courses of study.

Employee Suggestion Plan

The objectives of the employee suggestion plan instituted during the year are being achieved in a most gratifying way through the enthusiastic participation of the staff. More than 500 suggestions have been received since the plan's inception. Many of these suggestions have been adopted with demonstrable savings to the Commission,

and appropriate awards have been made to the enterprising employees who proposed them.

Data Processing

Plans for the introduction early in 1958 of a Univac II electronic computer have involved an extensive program of specialized training of employees selected for work in data processing. Training will be continued over the period of the next five years during which the changeover to full-scale operation of integrated data processing will be completed. In this way problems of staff adjustment will be reduced to a minimum. Through a liaison committee made up of representatives of the Employees Union and the divisions most likely to be affected, efforts are being directed towards making the transition as smooth as possible.

The electronic computer with its high speed and accuracy in calculation is only the most striking feature in an extensive system of data processing that will extend into the nine regions and the rural operating areas. The system is designed to handle large volumes of coded and numerical information in three broad functional areas. These areas are related to customers, manpower, and materials. It will also contribute to the preparation of a multiplicity of statistical reports derived from this information and required for administrative purposes.

During 1957 some 50 employees received training in systems and procedures, organization, work simplification, programming, and other aspects of the preparation and development of the data processing scheme. Between four and five hundred others were given a very brief familiarization course explanatory of the new techniques involved. The operation of the new equipment is expected to achieve a considerable reduction in clerical cost and to make information more easily and concisely available to all management levels.

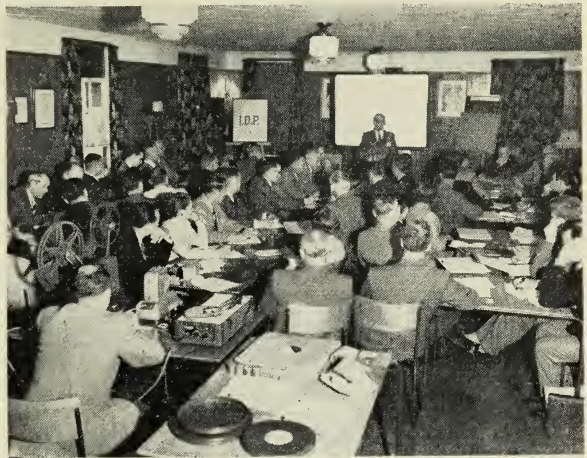
Collective Relations

A decision of the Ontario Labour Relations Board confirmed that the Ontario Hydro Employees Union in affiliation with the National Union of Public Service Employees retained the bargaining status of the former Employees' Association. During 1957, as in the past, other groups of the Commission's employees were represented severally by the following organizations—the Society of Ontario Hydro Professional Engineers, the Allied Construction Council, and two locals of the International Union of Operating Engineers.

Accident Prevention

In most divisions, particularly where labour turnover is low, it has been possible to achieve notable improvement in accident prevention. In regional operations, for example, there

has been a steady decline in accident frequency over the past five years from 28 per million man-hours in 1952 to 9 per million in 1957. One crew completed over 600,000 man-hours of accident-free work in 1957. Despite these exemplary achievements, the accident frequency for operations as a whole remained substantially unchanged from last year. Commission drivers have participated enthusiastically in competitions designed to promote safe, courteous, and efficient driving. The result has been a greatly increased safety consciousness among employee drivers.



Familiarization course in integrated data processing. The new electronic techniques involved were outlined to some 500 of the Commission's employees in 1957.

Model kits have been developed for the purpose of demonstrating common types of electric shock accidents. One illustrates those that may occur through contact with overhead conductors, another is an aid in instructing station operating staffs regarding shock hazards in switching operations.

Royal Canadian Humane Association Awards were given to Mr. Mark Cox and Mr. A. Foley for the rescue of persons from drowning, and National Safety Council President's awards were presented to Messrs. G. O. Belfry, D. McCauley, and R. H. Childs for the resuscitation of persons rescued from drowning. Messrs. J. C. Boudreau, W. J. Crawford, N. McDonald, and W. Ashton were given Canadian Electrical Association awards for the successful resuscitation of victims of electric shock.

Medical Services

The hospitals at Cornwall and Whitedog Falls have continued to provide essential hospital care to staff on the large developments at the St. Lawrence Power

Project, Whitedog Falls, and Caribou Falls. Their busy schedules during the year are indicative of the valuable contribution these facilities make to the communities they serve. Smaller projects are provided with first-aid services and one, because of its isolation, has a physician on a part-time basis. Regular training in the essentials of first aid is given both in the regions and at Head Office. The Commission's first-aid facilities at Niagara Falls will be closed early in 1958 as the work there approaches completion.

Periodic health examinations are continuing with evident benefit both to the Commission and to the staff.

Employment Statistics

The number of persons in the Commission's employ reached a maximum of 21,163 in July, reflecting substantial increases in the number of construction workers. The total staff over the twelve months on the average was 19,597, of whom 14,172 were regular and 5,425 were temporary employees.

SECTION VIII

MUNICIPAL ELECTRICAL SERVICE

THE table on page 94 provides statistical information regarding the supply of electricity to ultimate customers served by the municipal utilities and the Commission-owned local distribution systems. In December 1957 a total of 1,220,232 customers were supplied by the 351 utilities and the 28 local systems. This is an increase of 3.3 per cent over the number served in 1956. The relative changes in the three classes individually are affected by reclassifications that are being made. Certain power service customers have been transferred to commercial service, and a number of commercial service customers with connected loads of less than 5 kilowatts have been transferred to domestic service.

The trend in total energy consumption and average cost per kilowatt-hour during the past 15-year period is presented in graph form on page 95. The rates of increase in consumption for all classes, while somewhat below those registered in 1956, were 9.0 per cent for commercial service, 7.3 per cent for domestic service, and 4.4 per cent for power service. Average consumption per customer, following the reclassifications already referred to, was up for all classes and indicated better than average growth for commercial and power services. The average cost per kilowatt-hour was unchanged for domestic and power service and showed a slight decline for commercial service.

MUNICIPAL ELECTRICAL UTILITIES

The financial information given in the statements included in this section is prepared from books of account kept by the utilities in accordance with a standard accounting system designed by the Commission for use by utilities in all municipalities that have contracted with the Commission for a supply of power.

The books of account are periodically inspected, and from time to time improvements in office routine are recommended with a view to standardizing methods used. In many of the smaller municipalities much of the accounting for the utilities is undertaken by the municipal accountants of the Commission. Such supervision ensures the correct application of the standard accounting system and the uniform classification of revenues and expenditures, but does not constitute an audit of the accounts.

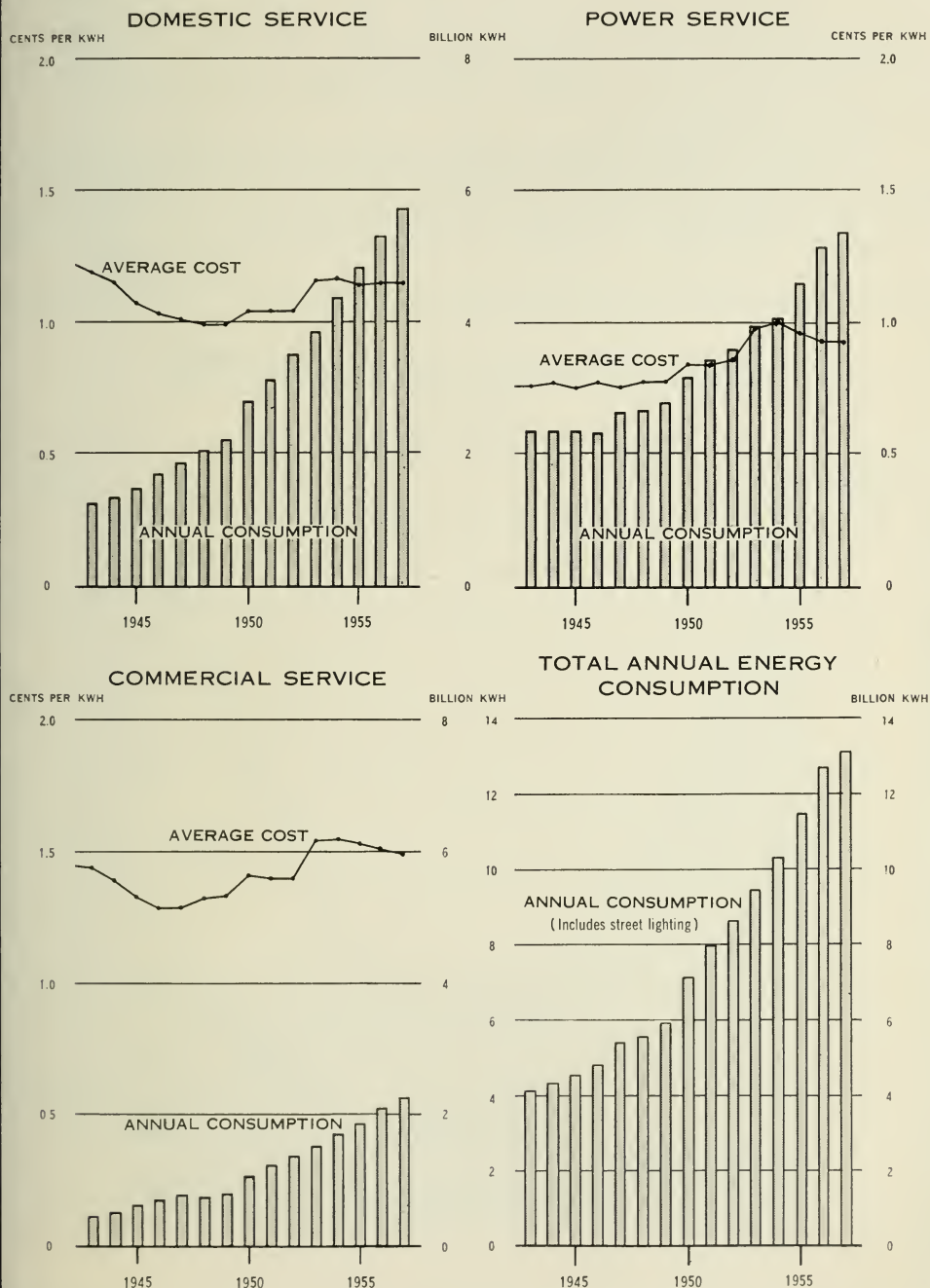
Municipal Electrical Utilities and Local Systems
CUSTOMERS, REVENUE, AND CONSUMPTION
1943 to 1957

Service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	¢
Domestic	1943	15,069,547	1,266,930,625	570,470	185	1.19
	1944	15,528,445	1,348,099,019	579,890	194	1.15
	1945	16,053,818	1,494,258,124	608,905	205	1.07
	1946	17,526,854	1,704,125,246	628,118	226	1.03
	1947	18,937,674	1,870,974,898	648,282	240	1.01
	1948	20,295,932	2,032,922,876	671,914	252	1.00
	1949	21,947,915	2,224,473,480	706,294	262	0.99
	1950	29,064,176	2,805,149,825	767,286	304	1.04
	1951	32,905,664	3,165,537,195	800,033	330	1.04
	1952	36,811,115	3,526,507,079	836,802	351	1.04
	1953	44,647,668	3,863,977,405	877,323	367	1.16
	1954	50,833,346	4,395,521,145	930,674	394	1.16
	1955	55,241,247	4,836,433,016	970,829	415	1.14
	1956	61,234,494	5,310,916,819	1,031,482	429	1.15
	1957	65,842,103	5,700,736,923	1,072,868	443	1.15
Commercial	1943	6,787,241	472,129,977	76,194	516	1.44
	1944	7,298,848	524,905,356	78,256	559	1.39
	1945	8,429,573	634,878,480	84,413	627	1.33
	1946	9,364,009	725,475,237	89,109	679	1.29
	1947	10,277,574	797,642,711	91,926	723	1.29
	1948	10,182,051	769,650,340	95,239	673	1.32
	1949	10,890,639	819,475,244	98,682	692	1.33
	1950	15,231,494	1,080,316,296	107,817	832	1.41
	1951	17,549,402	1,254,339,597	111,154	940	1.40
	1952	19,502,920	1,394,152,087	115,304	1,008	1.40
	1953	23,603,194	1,532,991,241	119,498	1,069	1.54
	1954	26,293,250	1,701,167,341	123,884	1,144	1.55
	1955	28,576,115	1,866,799,984	127,913	1,216	1.53
	1956	31,423,691	2,087,639,883	127,497*	1,365	1.51
	1957	33,901,487	2,276,182,472	124,757*	1,520	1.49
Power	1943	17,757,984	2,334,067,598	13,837	14,057	0.76
	1944	18,375,443	2,374,869,860	13,860	14,279	0.77
	1945	17,770,481	2,346,870,889	14,726	13,281	0.76
	1946	17,981,265	2,329,774,691	15,529	12,502	0.77
	1947	19,989,875	2,652,001,321	16,325	13,538	0.75
	1948	20,742,344	2,687,513,708	16,886	13,263	0.77
	1949	21,814,062	2,806,244,668	17,594	13,292	0.78
	1950	26,966,954	3,193,783,939	18,788	14,166	0.84
	1951	29,353,071	3,459,742,798	19,370	14,884	0.85
	1952	31,403,227	3,619,518,306	20,055	15,040	0.87
	1953	38,482,884	3,948,124,809	20,885	15,753	0.98
	1954	40,855,075	4,089,513,923	21,671	15,726	1.00
	1955	44,270,882	4,637,527,118	22,237	17,379	0.96
	1956	47,808,610	5,140,704,025	22,809	18,782	0.93
	1957	50,124,976	5,366,245,253	22,607*	19,781	0.93

* Decrease in number of customers reflects reclassifications from commercial to domestic and from power to commercial billing.

MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

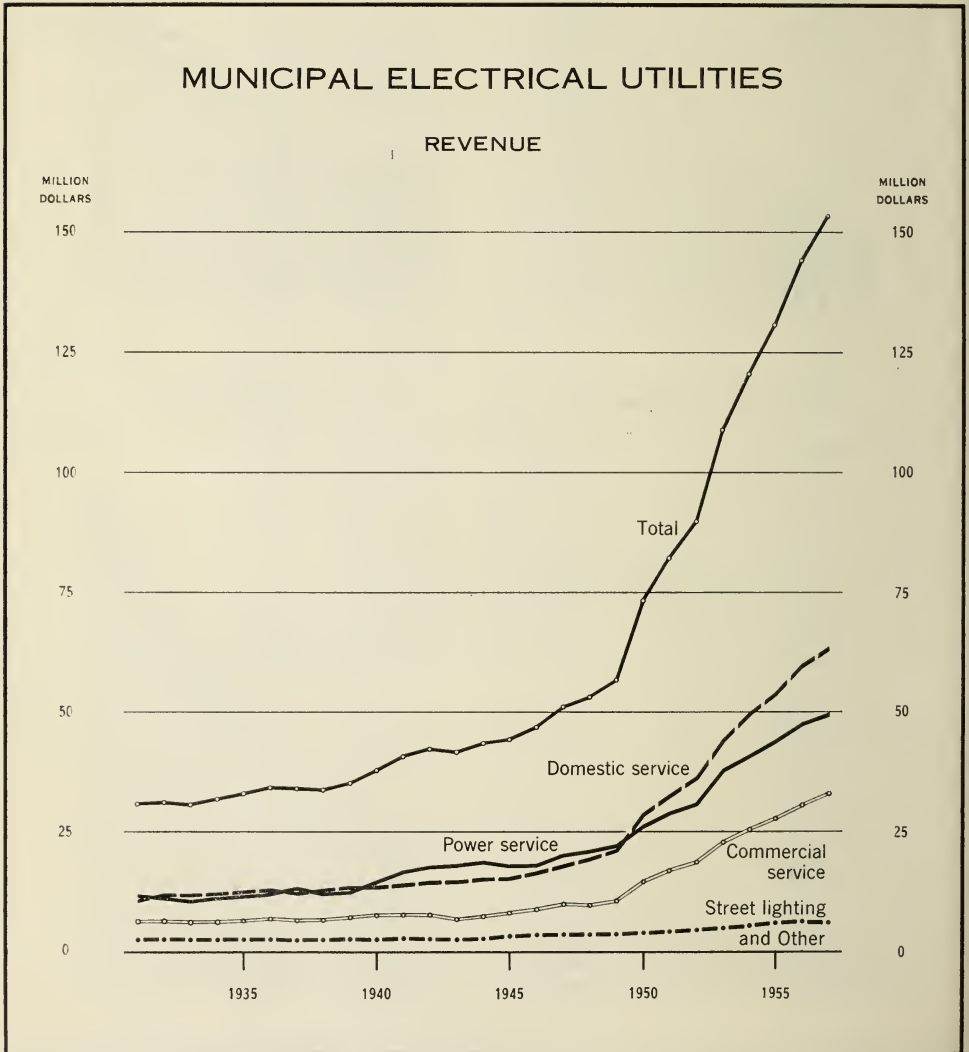
ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR



Financial Operations

Total revenue of the municipal electrical utilities rose by 6.4 per cent from \$144,183,439 in 1956 to \$153,435,888 in 1957. Domestic service accounted for \$64,460,061 of the 1957 total, commercial service for \$33,101,664, and power service for \$49,828,886, while the remaining \$6,045,277 came from street lighting and other revenue sources. The greatest proportional increase was in commercial service. Total expense, up 7.1 per cent from 1956, amounted to \$133,654,401 as compared with \$124,782,115 in the preceding year. Net income at \$19,781,487 was 12.9 per cent of 1957 revenue as compared with net income equal to 13.5 per cent of revenue in 1956.

The power purchased by the municipal utilities represents about 70 per cent of their total annual expense. They purchased 6.6 per cent more kilowatt-hours from the Commission at an increase in cost of only 6.1 per cent. The growing investment in fixed assets is reflected in a 16.0 per cent increase in interest and



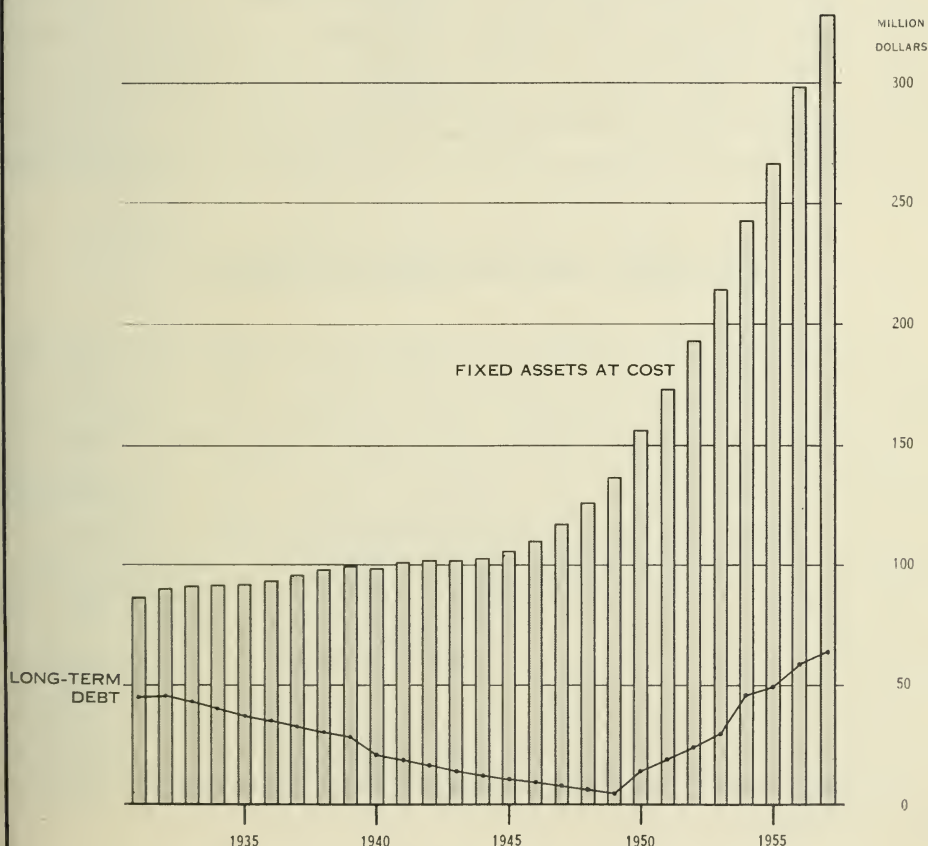
principal payments and also in the 8.8 per cent increase in allocations for depreciation. The cost of administration was up by 9.7 per cent, the cost of operation and maintenance by 7.1 per cent.

Summary of Financial Position

The investment of the utilities in fixed assets at cost at December 31, 1957 amounted to \$327,925,974, against which accumulated depreciation of \$68,975,083 had been provided. The total assets after deducting accumulated depreciation amounted to \$508,848,141, of which \$200,293,236 represented the equity in the Commission's systems acquired by the utilities operating under cost contracts with the Commission. This equity amount differs somewhat from the corresponding equity shown on the Commission's balance sheets. The difference is due to the

MUNICIPAL ELECTRICAL UTILITIES

FIXED ASSETS AND LONG-TERM DEBT



fact that most of the utilities close their books before the Commission's calculation of sinking fund for the year is available. These utilities, therefore, show the equity account as at the end of the previous year rather than the current year.

The utilities' investment in fixed assets was increased by \$29,093,767 during the year. The net increase in debenture debt, however, was only \$4,786,803. The debenture debt at the end of 1957 was \$63,315,360, or 19.3 per cent of the cost of fixed assets.

Municipal Resale Rates

Under The Power Commission Act the Commission exercises supervisory control over the activities of the municipal electrical utilities and their rates to ultimate customers are subject to the Commission's approval. These rates must provide the utility with sufficient revenue to meet the cost of providing service and should also distribute this cost equitably among the customers being served.

Basically revised rate structures were introduced in 1956 following studies carried out over a period of years by the Commission in conjunction with the rates committee of the Association of Municipal Electrical Utilities of Ontario. The need for revision was apparent because of radical changes that have taken place in recent years both in the requirements of customers and in the cost of providing electrical service for them. The adoption of the new rate structures will result in a more uniform application of the basic principles of rate development and will eliminate a great many anomalies and inequities that have arisen because of piecemeal changes over the years. The utilities are now changing over progressively to the new rate structures whenever revisions in their individual schedules become necessary.

FINANCIAL AND STATISTICAL TABLES

Four statistical tables complete this section of the Report. The first two, designated Statements "A" and "B" and summarized on page 100, deal with financial aspects of the 351 municipal electrical utilities. These statements are the balance sheets and operating reports of the utilities alphabetically arranged for the Southern Ontario System and the Northern Ontario Properties. The other two statements give information on rates, customers, revenue, and consumption both for the 351 utilities and for the 28 Commission-owned local systems. Statement "C" gives resale rates for all municipal systems served by the Commission, alphabetically arranged. Typical monthly bills for selected levels of consumption are also included as a convenient basis for comparing the cost of service in different municipalities. Statement "D" gives information supplementary to that given in Statement "B" relative to customers, revenue, and consumption, both total and average per customer, for the three main classes of service. The municipalities served are listed in three groups based upon assessed population as recorded in the Municipal Directory for 1958 published by the Department of Municipal Affairs of Ontario.

MUNICIPAL ELECTRICAL SERVICE

Statistical Tables

STATEMENTS A and B

Financial Statements of the Municipal Electrical Utilities

Consolidated for Years 1950 to 1957.....	Page 100
By Municipalities.....	Page 102

STATEMENT C

Rates and Typical Bills for Electrical Service Provided by the 351 Municipal Electrical Utilities and 28 Local Systems.....	Page 164
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STATEMENT D

Customers, Revenue, and Consumption in Municipalities Served by the 351 Municipal Electrical Utilities and 28 Local Systems.....	Page 184
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MUNICIPAL ELECTRICAL UTILITIES

Year.....	1950	1951	1952
Number of municipalities included.....	321	324	327
A. BALANCE SHEETS			
FIXED ASSETS	\$	\$	\$
Plant and facilities at cost.....	156,148,063.73	173,722,456.91	193,795,885.58
Accumulated depreciation.....	46,310,558.56	48,087,416.88	50,985,328.59
Net fixed assets.....	109,837,505.19	125,635,040.03	142,810,556.99
CURRENT ASSETS			
Cash on hand and in bank.....	2,807,734.27	3,276,778.98	4,667,729.07
Investment in government securities.....	19,706,944.56	16,291,592.69	11,542,720.01
Accounts receivable.....	6,922,076.43	7,727,032.69	7,386,627.75
Total current assets.....	29,436,755.26	27,295,404.36	23,597,076.83
OTHER ASSETS			
Inventory of stores.....	5,114,209.37	7,514,369.31	8,001,402.81
Sinking fund on local debentures.....	592,491.22	613,435.37	388,409.83
Miscellaneous.....	1,685,128.46	1,636,236.87	1,889,668.76
Total other assets.....	7,391,829.05	9,764,041.55	10,279,481.40
Equity in Ontario Hydro systems.....	108,475,000.19	118,269,170.96	128,655,935.37
Total.....	255,141,089.69	280,963,656.90	305,343,050.59
LIABILITIES			
Debentures outstanding.....	14,069,133.05	18,889,520.06	24,159,238.87
Accounts payable.....	7,377,031.22	9,738,476.39	10,375,202.49
Other.....	1,489,028.47	1,612,914.06	1,762,832.81
Total liabilities.....	22,935,192.74	30,240,910.51	36,297,274.17
RESERVES			
Equity in Ontario Hydro systems.....	108,475,000.19	118,269,170.96	128,655,935.37
Other.....	4,314,186.14	5,628,316.81	8,008,751.79
Total reserves.....	112,789,186.33	123,897,487.77	136,664,687.16
CAPITAL			
Debentures redeemed.....	56,534,877.64	59,434,311.73	60,260,350.13
Local sinking fund.....	592,491.22	613,435.37	388,409.83
Accumulated net income invested in plant or held as working funds.....	62,522,124.72	67,511,314.72	72,374,287.61
Frequency standardization expense charged this year.....	232,782.96	733,803.20	641,958.31
Total capital.....	119,416,710.62	126,825,258.62	132,381,089.26
Total.....	255,141,089.69	280,963,656.90	305,343,050.59
B. OPERATING STATEMENTS			
REVENUE			
Domestic, commercial, power.....	69,538,269.92	78,194,913.60	85,692,880.05
Street lighting.....	2,552,755.74	2,769,300.03	3,051,561.67
Other.....	1,432,505.92	1,347,467.29	1,314,597.74
Total revenue.....	73,523,531.58	82,311,680.92	90,059,039.46
EXPENSE			
Power purchased.....	46,400,040.72	50,854,323.41	55,583,500.98
Local generation.....	263,958.02	290,579.22	322,179.19
Operation and maintenance.....	7,889,232.85	8,886,579.22	9,918,638.33
Administration.....	6,153,793.83	7,283,471.66	7,645,805.56
Fixed charges—interest and principal.....	1,478,056.32	1,524,930.86	1,981,386.38
—depreciation.....	4,076,473.95	4,717,496.55	5,293,508.78
—other.....	1,769,378.03	87,225.06	71,211.41
Total expense.....	68,030,933.72	73,644,340.85	80,816,230.63
Net income or net expense.....	5,492,597.86	8,667,340.07	9,242,808.83
Number of customers.....	867,916	904,880	941,975

CONSOLIDATED FINANCIAL STATEMENTS 1950-1957

1953	1954	1955	1956	1957
332	338	343	350	351
\$	\$	\$	\$	\$
214,595,382.62	243,525,699.63	267,090,751.95	298,832,206.56	327,925,974.14
54,282,571.38	58,973,785.70	62,413,110.91	66,539,420.46	68,975,083.14
160,312,811.24	184,551,913.93	204,677,641.04	232,292,786.10	258,950,891.00
4,884,136.41	7,376,868.68	9,277,807.16	9,858,535.71	10,819,895.68
10,716,658.76	16,361,137.42	17,392,469.04	15,512,896.26	14,174,407.97
10,298,699.00	10,695,798.63	9,939,403.37	12,776,466.24	12,573,922.51
25,899,494.17	34,433,804.73	36,609,679.57	38,147,898.21	37,568,226.16
7,527,843.57	7,413,229.39	7,900,466.07	9,681,857.72	9,579,583.64
410,806.10	383,453.60	383,750.82	290,682.53	561,622.08
2,393,860.10	3,465,796.88	2,323,308.16	2,399,183.97	1,894,582.34
10,332,509.77	11,262,479.87	10,607,525.05	12,371,724.22	12,035,788.06
140,068,856.95	152,461,822.48	167,250,921.01	183,262,708.26	200,293,236.03
336,613,672.13	382,710,021.01	419,145,766.67	466,075,116.79	508,848,141.25
29,827,723.36	45,645,050.80	49,776,906.68	58,528,556.65	63,315,360.35
10,943,035.08	11,090,473.03	10,574,521.87	11,633,156.25	11,226,905.22
2,224,181.11	2,843,741.81	3,493,146.55	3,910,276.02	4,207,236.47
42,994,939.55	59,579,265.64	63,844,575.10	74,071,988.92	78,749,502.04
140,068,856.95	152,461,822.48	167,250,921.01	183,262,708.26	200,293,236.03
8,153,000.71	8,095,704.58	7,765,477.57	6,948,235.70	5,658,849.45
148,221,857.66	160,557,527.06	175,016,398.58	190,210,943.96	205,952,085.48
61,417,714.38	64,210,219.78	66,488,672.46	69,338,989.80	72,087,555.72
410,806.10	383,453.60	383,750.82	290,682.53	561,622.08
83,934,775.30	98,687,493.41	114,727,111.58	132,983,133.97	152,057,613.51
366,420.86	707,938.48	1,314,741.87	820,622.39	560,237.58
145,396,874.92	162,573,228.31	180,284,792.99	201,792,183.91	224,146,553.73
336,613,672.13	382,710,021.01	419,145,766.67	466,075,116.79	508,848,141.25
104,315,090.16	115,524,224.33	125,492,967.41	138,005,827.59	147,390,611.09
3,681,919.79	3,986,609.82	4,317,330.66	4,623,264.40	4,465,053.16
1,257,311.65	1,345,281.13	1,457,198.85	1,554,347.50	1,580,224.12
109,254,321.50	120,856,115.28	131,267,496.92	144,183,439.49	153,435,888.37
69,750,629.67	75,589,512.37	79,779,898.37	87,344,024.25	92,682,089.36
319,743.95	426,606.00	459,594.45	501,385.94	575,770.57
10,674,896.91	11,527,269.43	12,076,619.71	13,406,954.68	14,362,586.91
8,236,239.48	9,299,704.59	9,896,805.15	11,015,893.46	12,086,583.48
2,400,468.01	3,242,705.07	4,216,876.80	4,744,936.63	5,504,841.71
5,832,594.43	6,547,361.07	7,193,494.56	7,709,546.19	8,389,004.48
147,082.99	141,824.01	144,120.97	59,373.64	53,524.53
97,361,655.44	106,774,982.54	113,767,410.01	124,782,114.79	133,654,401.04
11,892,666.06	14,081,132.74	17,500,086.91	19,401,324.70	19,781,487.33
986,144	1,045,742	1,089,835	1,153,371	1,192,357

Municipal Electrical Utilities Financial

Southern Ontario System

Municipality.....	Acton	Ailsa Craig	Ajax	Alexandria	Alfred
Population.....	3,903	513	7,058	2,436	939
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	248,075.91	37,168.03	605,458.66	219,558.40	53,226.33
Accumulated depreciation.....	19,923.52	3,560.55	95,331.34	43,605.43	12,886.94
Net fixed assets.....	228,152.39	33,607.48	510,127.32	175,952.97	40,339.39
CURRENT ASSETS					
Cash on hand and in bank.....	47,283.41	2,966.37	79,196.03	5,091.56	17,861.44
Investment in government securities..	2,000.00	.....	.....	13,000.00	.....
Accounts receivable.....	14,751.07	64.64	11,436.72	1,042.70	5,107.44
Total current assets.....	64,034.48	3,031.01	90,632.75	19,134.26	22,968.88
OTHER ASSETS					
Inventory of stores.....	3,355.93	.....	24,135.82	9,210.49	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	2,779.30	.....	.....	.....	.....
Total other assets.....	6,135.23	.....	24,135.82	9,210.49	.....
Equity in Ontario Hydro systems.....	284,204.82	43,949.29	12,152.30	100,710.48	1,743.10
Total.....	582,526.92	80,587.78	637,048.19	305,008.20	65,051.37
LIABILITIES					
Debentures outstanding.....	66,600.00	.....	339,000.00	9,041.12	35,500.00
Accounts payable.....	12,105.28	623.86	316.05	.....	932.03
Other.....	3,461.25	180.00	34,494.69	2,675.83	1,415.00
Total liabilities.....	82,166.53	803.86	373,810.74	11,716.95	37,847.03
RESERVES					
Equity in Ontario Hydro systems....	284,204.82	43,949.29	12,152.30	100,710.48	1,743.10
Other.....	3,900.54	.....	18,417.00	.....	1,546.56
Total reserves.....	288,105.36	43,949.29	30,569.30	100,710.48	3,289.66
CAPITAL					
Debentures redeemed.....	17,900.00	6,883.38	11,000.00	44,258.11	2,500.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds....	194,355.03	28,951.25	221,668.15	148,322.66	21,414.68
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	212,255.03	35,834.63	232,668.15	192,580.77	23,914.68
Total.....	582,526.92	80,587.78	637,048.19	305,008.20	65,051.37
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	188,235.90	16,997.39	307,916.08	74,781.98	25,697.13
Street lighting.....	5,540.92	640.54	3,449.25	1,729.87	1,252.90
Other.....	643.21	102.78	1,687.82	4,641.09	122.23
Total revenue.....	194,420.03	17,740.71	313,053.15	81,152.94	27,072.26
EXPENSE					
Power purchased.....	134,913.00	10,704.96	143,952.53	48,578.50	9,171.94
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	12,309.94	1,387.45	15,286.57	5,032.33	1,391.39
Administration.....	8,962.80	855.52	38,998.10	8,408.54	2,003.74
Fixed charges—interest and principal..	5,288.65	.....	26,645.07	2,075.32	3,204.06
—depreciation.....	5,312.00	858.00	13,373.00	5,788.00	1,487.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	166,786.39	13,805.93	238,255.27	69,882.69	17,258.13
Net income or net expense.....	27,633.64	3,934.78	74,797.88	11,270.25	9,814.13
Number of customers.....	1,269	223	2,051	829	287

Statements for the Year Ended December 31, 1957

Alliston 2,896	Almonte 3,053	Alvinston 630	Amherstburg 4,377	Ancaster Twp. 11,854	Apple Hill 400	Arkona 422
\$ 154,641.97 26,376.64	\$ 329,522.52 73,532.66	\$ 54,308.71 12,197.89	\$ 303,921.45 65,707.94	\$ 222,153.82 22,110.45	\$ 16,692.53 3,855.33	\$ 38,135.15 7,603.91
128,265.33	255,989.86	42,110.82	238,213.51	200,043.37	12,837.20	30,531.24
15.00	7,543.90	2,407.06	18,006.90	5,589.95	3,924.00	.....
22,000.00	52,000.00	3,500.00	18,000.00	.....	4,000.00	4,000.00
2,897.78	2,035.48	404.22	1,934.41	143.97	138.28	214.31
24,912.78	61,579.38	6,311.28	37,941.31	5,733.92	8,062.28	4,214.31
5,135.72	9,241.20	.....	9,230.85	.....	.....	.....
201.33	.....	1,210.30	30.94	527.18	.....	239.01
5,337.05	9,241.20	1,210.30	9,261.79	527.18	.....	239.01
96,496.52	30,401.61	43,309.14	219,961.35	81,145.18	10,152.15	23,060.83
255,011.68	357,212.05	92,941.54	505,377.96	287,449.65	31,051.63	58,045.39
.....	.....	.....	27,500.00	93,444.25	.....	.....
2,913.13	4,521.94	2,127.34	11,770.63	2,858.44	449.65	182.75
2,895.96	971.99	3,555.00	3,396.16	753.32	36.00	55.00
5,809.09	5,493.93	5,682.34	42,666.79	97,056.01	485.65	237.75
96,496.52	30,401.61	43,309.14	219,961.35	81,145.18	10,152.15	23,060.83
100.00	1,848.00	15.28	438.04	580.88	.....	.....
96,596.52	32,249.61	43,324.42	220,399.39	81,726.06	10,152.15	23,060.83
29,989.55	72,000.00	23,529.24	41,053.60	35,666.03	5,080.12	13,112.83
122,616.52	247,468.51	20,405.54	201,258.18	84,964.68	15,333.71	21,633.98
.....	.....	.....	.....	11,963.13	.....	.....
152,606.07	319,468.51	43,934.78	242,311.78	108,667.58	20,413.83	34,746.81
255,011.68	357,212.05	92,941.54	505,377.96	287,449.65	31,051.63	58,045.39
81,257.67	87,884.98	14,888.92	184,264.89	103,780.80	5,078.66	13,215.22
2,462.00	4,447.53	1,305.26	9,153.14	2,523.81	424.20	947.55
680.29	7,943.87	118.42	1,051.97	639.54	137.08	147.36
84,399.96	100,276.38	16,312.60	194,470.00	106,944.15	5,639.94	14,310.13
56,328.21	39,165.16	9,414.02	119,573.47	63,795.83	2,626.02	9,910.81
.....	16,910.71	.....	.....	.....	.....	.....
12,156.88	8,144.93	2,749.97	12,049.44	12,998.75	515.47	1,358.50
5,471.05	9,416.70	1,325.91	11,290.01	5,369.49	791.63	965.04
77.00	.....	29.52	3,464.48	9,161.53	.....	1.00
3,827.00	8,645.00	1,555.00	6,930.00	4,906.00	446.00	1,043.00
.....	.....	.....	500.00	.....	.....	.....
77,860.14	82,282.50	15,074.42	153,807.40	96,231.60	4,379.12	13,278.35
6,539.82	17,993.88	1,238.18	40,662.60	10,712.55	1,260.82	1,031.78
994	1,017	322	1,368	1,021	114	183

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Arnprior	Arthur	Athens	Aurora	Aylmer
Population.....	5,336	1,166	943	3,976	4,408
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	367,497.13	77,913.23	49,856.45	247,325.67	252,621.33
Accumulated depreciation.....	31,368.79	19,024.91	7,808.01	53,975.67	66,023.21
Net fixed assets.....	336,128.34	58,888.32	42,048.44	193,350.00	186,598.12
CURRENT ASSETS					
Cash on hand and in bank.....	49,036.88		3,472.86	33,246.67	16,547.06
Investment in government securities.....		24,000.00	21,000.00	25,000.00	
Accounts receivable.....	942.52	567.16	2,747.62	1,634.38	3,400.59
Total current assets.....	49,979.40	24,567.16	27,220.48	59,881.05	19,947.65
OTHER ASSETS					
Inventory of stores.....	5,371.82			612.24	131.48
Sinking fund on local debentures.....					
Miscellaneous.....		2,047.00		178.30	25,512.69
Total other assets.....	5,371.82	2,047.00		790.54	25,644.17
Equity in Ontario Hydro systems.....	129,324.28	61,219.01	24,556.67	104,179.45	193,665.22
Total.....	520,803.84	146,721.49	93,825.59	358,201.04	425,855.16
LIABILITIES					
Debentures outstanding.....	56,796.33				48,000.00
Accounts payable.....	21,959.29	1,198.04	1,862.54	521.63	3,207.87
Other.....	6,359.75	652.80	140.00	3,252.65	3,200.00
Total liabilities.....	85,115.37	1,850.84	2,002.54	3,774.28	54,407.87
RESERVES					
Equity in Ontario Hydro systems.....	129,324.28	61,219.01	24,556.67	104,179.45	193,665.22
Other.....	2,237.74		206.06	131.74	336.82
Total reserves.....	131,562.02	61,219.01	24,762.73	104,311.19	194,002.04
CAPITAL					
Debentures redeemed.....	68,672.80	23,913.38	12,988.39		40,701.92
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	235,453.65	59,738.26	54,071.93	250,115.57	136,743.33
Frequency standardization expense charged this year.....					
Total capital.....	304,126.45	83,651.64	67,060.32	250,115.57	177,445.25
Total.....	520,803.84	146,721.49	93,825.59	358,201.04	425,855.16
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	190,877.24	30,430.62	13,476.95	159,826.84	164,088.49
Street lighting.....	11,155.17	2,192.70	1,193.28	6,489.78	5,395.17
Other.....	2,418.38	676.81	911.58	5,680.46	727.10
Total revenue.....	204,450.79	33,300.13	15,581.81	171,997.08	170,210.76
EXPENSE					
Power purchased.....	100,259.37	22,209.77	11,022.41	109,712.65	127,658.86
Local generation.....					
Operation and maintenance.....	10,436.06	4,146.18	1,251.95	16,252.65	6,923.99
Administration.....	13,339.51	2,292.27	1,040.40	15,389.59	10,302.00
Fixed charges—interest and principal.....	6,618.89	260.21			4,987.60
—depreciation.....	7,979.00	2,188.00	1,245.00	6,412.00	6,969.00
—other.....					
Total expense.....	138,632.83	31,096.43	14,559.76	147,766.89	156,841.45
Net income or net expense.....	65,817.96	2,203.70	1,022.05	24,230.19	13,369.31
Number of customers.....	1,643	468	331	1,494	1,558

Statements for the Year Ended December 31, 1957

Ayr	Baden	Bancroft	Barrie	Barry's Bay	Bath	Beachville
980	788	2,414	18,645	1,479	626	799
\$	\$	\$	\$	\$	\$	\$
64,755.89	58,291.89	213,803.94	1,248,091.16	70,477.75	52,094.53	60,241.97
10,881.19	7,922.25	46,621.01	314,938.02	3,568.96	8,689.44	19,730.74
53,874.70	50,369.64	167,182.93	933,153.14	66,908.79	43,405.09	40,511.23
	3,460.16	1,307.93	150.00	7,950.18	1,953.55	21,107.66
13,000.00	6,500.00					25,000.00
373.19	243.52	1,098.18	24,280.80	1,832.74	320.73	703.30
13,373.19	10,203.68	2,406.11	24,430.80	9,782.92	2,274.28	46,810.96
		3,843.64	24,638.32			
7,443.59	35.00	165.50	601.97			133.55
7,443.59	35.00	4,009.14	25,240.29			133.55
53,249.39	96,238.62	9,346.86	654,430.22	5,694.84	11,147.76	141,288.00
127,940.87	156,846.94	182,945.04	1,637,254.45	82,386.55	56,827.13	228,743.74
		23,625.00			9,500.00	
8,678.01	374.76	1,585.91	3,032.70	206.59	96.21	81.12
199.64	30.00	1,675.00	15,120.75	242.00	478.03	330.00
8,877.65	404.76	26,885.91	18,153.45	448.59	10,074.24	411.12
53,249.39	96,238.62	9,346.86	654,430.22	5,694.84	11,147.76	141,288.00
			500.00		170.42	196.49
53,249.39	96,238.62	9,346.86	654,930.22	5,694.84	11,318.18	141,484.49
17,503.38	5,000.00	43,875.00	65,365.68	7,500.00	8,000.00	5,536.66
48,310.45	55,203.56	102,837.27	898,805.10	68,743.12	27,434.71	81,311.47
65,813.83	60,203.56	146,712.27	964,170.78	76,243.12	35,434.71	86,848.13
127,940.87	156,846.94	182,945.04	1,637,254.45	82,386.55	56,827.13	228,743.74
30,407.18	24,852.86	54,459.86	624,281.34	23,055.30	16,435.40	85,065.22
1,222.32	2,164.73	2,665.44	11,913.98	1,466.85	489.79	1,353.01
470.15	200.72	27.73	7,075.65	82.11	4.90	1,223.91
32,099.65	27,218.31	57,153.03	643,270.97	24,604.26	16,930.09	87,642.14
22,463.83	18,964.18	26,438.87	391,272.40	10,011.64	9,300.41	72,585.53
		2,963.87				
2,349.35	871.95	2,533.44	72,366.02	1,014.51	726.30	2,820.33
1,933.21	1,158.82	4,267.03	44,674.56	1,494.70	1,760.88	1,098.67
48.47	7.50	3,640.70	373.89	532.72	1,045.42	
1,722.00	1,342.00	5,566.00	35,210.00	1,429.00	1,310.00	1,929.00
						182.00
28,516.86	22,344.45	45,409.91	543,896.87	14,482.57	14,143.01	78,615.53
3,582.79	4,873.86	11,743.12	99,374.10	10,121.69	2,787.08	9,026.61
357	258	747	5,783	379	240	279

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Beamsville	Beaverton	Beeton	Belle River	Belleville
Population.....	2,152	1,061	665	1,864	20,832
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	106,602.88	89,314.85	58,224.76	92,942.06	1,160,144.77
Accumulated depreciation.....	20,116.67	16,628.29	5,658.23	20,695.72	201,649.20
Net fixed assets.....	86,486.21	72,686.56	52,566.53	72,246.34	958,495.57
CURRENT ASSETS					
Cash on hand and in bank.....	467.57	215.37	1,133.78	12,154.21	50,860.42
Investment in government securities..	7,000.00	.....	1,000.00	2,000.00	205,000.00
Accounts receivable.....	603.60	108.53	207.04	1,108.63	32,649.79
Total current assets.....	8,071.17	323.95	2,340.82	15,262.84	288,510.21
OTHER ASSETS					
Inventory of stores.....	.....	84.87	.....	1,784.65	32,313.37
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	420.00	.....	.....	.....	.....
Total other assets.....	420.00	84.87	.....	1,784.65	32,313.37
Equity in Ontario Hydro systems.....	54,598.22	68,533.80	45,333.75	45,149.38	867,784.96
Total	149,575.60	141,629.18	100,241.10	134,443.21	2,147,104.11
LIABILITIES					
Debentures outstanding.....	.....	.....	.....	7,800.00	.....
Accounts payable.....	891.42	473.95	893.88	2,259.83	.....
Other.....	12,136.02	615.05	385.00	650.00	29,790.26
Total liabilities.....	13,027.44	1,089.00	1,278.88	10,709.83	29,790.26
RESERVES					
Equity in Ontario Hydro systems.....	54,598.22	68,533.80	45,333.75	45,149.38	867,784.96
Other.....	.....	370.00	86.50	1,030.04	3,251.28
Total reserves.....	54,598.22	68,903.80	45,420.25	46,179.42	871,036.24
CAPITAL					
Debentures redeemed.....	37,500.00	12,839.34	13,610.31	12,700.00	174,997.19
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	53,373.60	58,797.04	39,931.66	64,853.96	1,071,280.42
Frequency standardization expense charged this year.....	8,923.66	.....	.....	.....	.....
Total capital.....	81,949.94	71,636.38	53,541.97	77,553.96	1,246,277.61
Total	149,575.60	141,629.18	100,241.10	134,443.21	2,147,104.11
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	68,104.20	50,422.54	22,860.25	42,586.03	632,864.61
Street lighting.....	2,404.79	2,280.53	1,449.68	2,687.86	19,850.86
Other.....	205.00	219.72	54.79	130.68	20,667.81
Total revenue	70,713.99	52,922.79	24,364.72	45,404.57	673,383.28
EXPENSE					
Power purchased.....	52,652.58	36,179.69	13,931.82	23,177.13	453,173.44
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	3,118.22	4,382.05	1,606.46	6,932.66	49,963.75
Administration.....	5,216.73	3,844.14	1,152.81	4,723.89	50,300.99
Fixed charges—interest and principal.....	169.88	.....	.....	1,567.50	.....
—depreciation.....	2,684.00	2,390.00	1,332.00	2,517.00	29,025.00
—other.....	.....	.....	.....	100.00	.....
Total expense	63,841.41	46,795.88	18,023.09	39,018.18	582,463.18
Net income or net expense	6,872.58	6,126.91	6,341.63	6,386.39	90,920.10
Number of customers.....	773	511	300	655	7,112

Statements for the Year Ended December 31, 1957

Blenheim	Bloomfield	Blyth	Bobcaygeon	Bolton	Bothwell	Bowmanville
2,840	723	770	1,144	1,259	797	6,906
\$	\$	\$	\$	\$	\$	\$
242,323.44	52,068.98	59,536.42	193,907.70	91,130.44	45,206.49	567,822.31
29,869.03	15,703.67	6,624.55	50,792.36	14,001.34	14,596.43	141,613.97
212,454.41	36,365.31	52,911.87	143,115.34	77,129.10	30,610.06	426,208.34
25.00	3,546.71	4,498.36	378.32	7,855.50	2,129.29	23,585.96
.....	9,000.00	2,000.00	5,000.00	.....	6,000.00	110,000.00
975.59	173.09	237.76	686.49	1,840.58	676.75	4,830.34
1,000.59	12,719.80	6,736.12	6,064.81	9,696.08	8,806.04	138,416.30
968.85	.....	.....	3,488.05	526.85	.....	15,778.20
.....
5,362.28	.....	.....	.....	.....	4,592.61	836.47
6,331.13	.....	.....	3,488.05	526.85	4,592.61	16,614.67
130,262.49	26,694.84	39,382.67	15,132.35	58,204.12	50,045.88	331,251.86
350,048.62	75,779.95	99,030.66	167,800.55	145,556.15	94,054.59	912,491.17
45,322.30	.....	.....	4,598.96	21,314.93	.....	.....
2,935.86	.....	91.67	4,420.10	7,736.63	168.92	735.43
905.00	526.00	251.86	325.00	912.05	101.88	4,012.00
49,163.16	526.00	343.53	9,344.06	29,963.61	270.80	4,747.43
130,262.49	26,694.84	39,382.67	15,132.35	58,204.12	50,045.88	331,251.86
4,309.46	.....	.....	.....	1,577.42	.....	.....
134,571.95	26,694.84	39,382.67	15,132.35	59,781.54	50,045.88	331,251.86
28,677.70	9,796.58	16,032.52	85,401.04	13,185.07	5,534.19	71,000.00
.....
137,655.81	38,762.53	43,271.94	57,923.10	42,625.93	38,203.72	505,491.88
20.00	.....	.....	.....	.....	.....	.....
166,313.51	48,559.11	59,304.46	143,324.14	55,811.00	43,737.91	576,491.88
350,048.62	75,779.95	99,030.66	167,800.55	145,556.15	94,054.59	912,491.17
89,421.75	18,927.43	30,833.89	38,512.01	43,093.34	19,280.72	244,890.54
5,980.42	1,031.97	1,287.75	2,350.51	1,225.62	1,841.70	8,725.28
2,796.25	634.63	65.48	600.35	36.12	322.33	4,879.27
98,198.42	20,594.03	32,187.12	41,462.87	44,355.08	21,444.75	258,495.09
48,079.42	12,740.96	20,712.39	20,217.04	28,164.91	14,092.41	158,906.13
.....	.....	.....	36.82	.....	.....	.....
6,646.91	1,656.61	2,246.80	4,811.40	3,358.53	1,002.15	25,083.25
11,491.33	1,855.89	1,642.73	5,113.47	3,431.60	1,334.55	12,268.98
6,817.93	2.00	1.85	4,799.67	1,401.88	100.05	21.59
5,179.00	1,588.00	1,395.00	2,557.00	2,157.00	857.00	15,769.00
.....	.....	.....	.....	107.00	.....	.....
78,214.59	17,843.46	25,998.77	37,535.40	38,620.92	17,386.16	212,048.95
19,983.83	2,750.57	6,188.35	3,927.47	5,734.16	4,058.59	46,446.14
1,058	302	325	667	471	312	2,329

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Bracebridge	Bradford	Braeside	Brampton	Brantford
Population.....	2,810	2,124	495	13,518	51,669
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	777,438.05	189,931.61	23,432.61	944,664.32	4,148,845.42
Accumulated depreciation.....	173,650.50	23,255.32	1,593.07	90,193.91	932,359.54
Net fixed assets.....	603,787.55	166,676.29	21,839.54	854,470.41	3,216,485.88
CURRENT ASSETS					
Cash on hand and in bank.....	31,527.70	15,137.42	2,078.96	61,810.26	6,245.65
Investment in government securities..	.....	10,500.00	.....	1,510.00	61,000.00
Accounts receivable.....	8,837.74	3,961.18	1,872.91	2,891.99	51,157.21
Total current assets.....	40,365.44	29,598.60	3,951.87	66,202.25	118,402.86
OTHER ASSETS					
Inventory of stores.....	12,847.40	11,848.21	.....	26,791.43	94,997.92
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	687.58	429.25	300.00	.....	233,692.73
Total other assets.....	13,534.98	12,277.46	300.00	26,791.43	328,690.65
Equity in Ontario Hydro systems.....	781.15	74,431.95	11,030.94	604,586.10	3,465,083.36
Total.....	658,469.12	282,984.30	37,122.35	1,552,050.19	7,128,662.75
LIABILITIES					
Debentures outstanding.....	296,997.62	.....	2,649.78	320,000.00	674,130.58
Accounts payable.....	21,722.47	.....	.....	2,958.20	217,302.62
Other.....	1,020.00	1,982.78	180.00	6,163.00	51,420.65
Total liabilities.....	319,740.09	1,982.78	2,829.78	329,121.20	942,853.85
RESERVES					
Equity in Ontario Hydro systems....	781.15	74,431.95	11,030.94	604,586.10	3,465,083.36
Other.....	2,266.66	72.45	.....	3,239.99	17,843.13
Total reserves.....	3,047.81	74,504.40	11,030.94	607,826.09	3,482,926.49
CAPITAL					
Debentures redeemed.....	208,802.38	23,351.06	3,350.22	99,050.64	778,983.32
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds....	126,878.84	183,146.06	19,911.41	516,052.26	1,923,899.09
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	335,681.22	206,497.12	23,261.63	615,102.90	2,702,882.41
Total.....	658,469.12	282,984.30	37,122.35	1,552,050.19	7,128,662.75
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	115,624.48	80,078.61	15,447.17	450,947.09	1,869,310.56
Street lighting.....	5,230.03	4,052.07	441.87	13,523.83	51,601.95
Other.....	3,380.40	1,154.50	116.13	2,128.07	4,841.30
Total revenue.....	124,234.91	85,285.18	16,005.17	466,598.99	1,925,753.81
EXPENSE					
Power purchased.....	5,885.94	45,647.60	8,460.62	280,858.97	1,362,773.80
Local generation.....	30,207.84	.....	.....	.....	.....
Operation and maintenance.....	14,338.70	11,320.05	757.62	19,444.89	144,091.26
Administration.....	10,719.52	7,182.63	744.55	13,787.18	82,360.36
Fixed charges—interest and principal.	17,627.79	.....	443.42	26,463.22	71,479.55
—depreciation.....	15,249.00	4,240.00	489.00	20,425.00	113,264.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	94,028.79	68,390.28	10,895.21	360,979.26	1,773,968.97
Net income or net expense.....	30,206.12	16,894.90	5,109.96	105,619.73	151,784.84
Number of customers.....	1,243	742	136	4,122	16,993

Statements for the Year Ended December 31, 1957

Brantford Twp. 6,483	Brechin 219	Bridgeport 1,571	Brigden 511	Brighton 2,117	Brockville 15,456	Bronte 2,114
\$ 762,873.53 203,048.95	\$ 15,905.25 2,119.91	\$ 72,406.20 13,183.61	\$ 38,315.50 8,534.63	\$ 143,010.60 11,415.21	\$ 1,095,701.57 263,103.89	\$ 127,476.08 11,178.05
559,824.58	13,785.34	59,222.59	29,780.87	131,595.39	832,597.68	116,298.03
35,572.13	852.78	3,682.36	6,189.95	8,558.01	29,541.38	1,968.08
6,674.60	10,000.00	5,000.00	151.25	10,000.00	12,000.00	1,516.68
42,246.73	418.74	43.67		829.98	39,533.09	
11,271.52	8,726.03	6,341.20	19,387.99	81,074.47	3,484.76	
21,093.70			6,472.23	11,164.53	2,450.47	
28,325.59		2,402.96	20.00		2,440.99	5.78
49,419.29		2,402.96	20.00	6,472.23	13,605.52	2,456.25
20,130.68	19,803.46	33,463.66	34,354.55	63,689.19	760,270.82	12,501.70
671,621.28	44,860.32	103,815.24	70,496.62	221,144.80	1,687,548.49	134,740.74
491,009.68		18,945.00			92,400.00	33,000.00
2,494.83	2,522.19	214.04		27.47	884.81	2,122.73
1,541.74	80.00	816.07	90.00	2,436.45	10,660.21	2,676.91
495,046.25	2,602.19	19,975.11	90.00	2,463.92	103,945.02	37,799.64
20,130.68	19,803.46	33,463.66	34,354.55	63,689.19	760,270.82	12,501.70
16,327.00	53.93	738.91			823.60	339.42
36,457.68	19,857.39	34,202.57	34,354.55	63,689.19	761,094.42	12,841.12
23,002.08	2,664.00	13,423.03	8,000.00	25,000.00	174,869.92	6,000.00
117,115.27	19,736.74	36,214.53	28,052.07	129,991.69	647,639.13	78,099.98
140,117.35	22,400.74	49,637.56	36,052.07	154,991.69	822,509.05	84,099.98
671,621.28	44,860.32	103,815.24	70,496.62	221,144.80	1,687,548.49	134,740.74
327,386.40	6,112.92	37,176.71	13,103.93	72,433.59	571,510.52	51,895.58
881.64	345.50	1,596.48	1,028.76	2,703.41	12,878.25	2,890.26
2,557.49	406.63	303.61	116.02	560.82	6,662.27	3.08
330,825.53	6,865.05	39,076.80	14,248.71	75,697.82	591,051.04	54,788.92
134,217.45	4,746.00	23,872.80	8,162.76	38,129.13	380,755.38	30,018.55
23,217.44	673.86	2,431.45	674.37	5,901.62	61,991.23	7,087.74
21,835.54	671.65	3,629.33	1,302.60	7,423.32	47,812.48	5,605.45
38,307.88	40.45	1,466.07			861.13	3,383.54
21,255.00	342.00	1,901.00	1,062.00	2,894.00	29,351.00	2,742.00
						130.00
238,833.31	6,473.96	33,300.65	11,201.73	54,348.07	520,771.22	48,967.28
91,992.22	391.09	5,776.15	3,046.98	21,349.75	70,279.82	5,821.64
1,822	93	403	215	937	4,813	637

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Brussels	Burford	Burgessville	Burk's Falls	Burlington
Population.....	788	1,035	238	907	32,635
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	57,370.62	60,018.31	17,038.93	70,655.89	587,950.74
Accumulated depreciation.....	5,883.56	15,872.62	6,063.74	9,559.22	57,953.60
Net fixed assets.....	51,487.06	44,145.69	10,975.19	61,096.67	529,997.14
CURRENT ASSETS					
Cash on hand and in bank.....	5,313.40		3,668.54	6,650.72	59,054.16
Investment in government securities.....		3,500.00	1,500.00		38,100.00
Accounts receivable.....	2,343.30	896.84	37.50	851.99	2,943.17
Total current assets.....	7,656.70	4,396.84	5,206.04	7,502.71	100,097.33
OTHER ASSETS					
Inventory of stores.....		84.12		373.21	12,509.86
Sinking fund on local debentures.....					
Miscellaneous.....	54.00	7,397.85			255.30
Total other assets.....	54.00	7,481.97		373.21	12,765.16
Equity in Ontario Hydro systems.....	48,366.98	51,582.89	17,532.04	8,244.48	139,356.65
Total.....	107,564.74	107,607.39	33,713.27	77,217.07	782,216.28
LIABILITIES					
Debentures outstanding.....				18,581.34	123,904.11
Accounts payable.....	4,965.71	12,058.36		34.58	925.72
Other.....	202.25	149.30		248.06	19,154.09
Total liabilities.....	5,167.96	12,207.66		18,863.98	143,983.92
RESERVES					
Equity in Ontario Hydro systems.....	48,366.98	51,582.89	17,532.04	8,244.48	139,356.65
Other.....					
Total reserves.....	48,366.98	51,582.89	17,532.04	8,244.48	139,356.65
CAPITAL					
Debentures redeemed.....	21,000.00	9,000.00	3,500.00	16,418.66	136,595.89
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	33,029.80	34,816.84	12,681.23	33,689.95	362,279.82
Frequency standardization expense charged this year.....					
Total capital.....	54,029.80	43,816.84	16,181.23	50,108.61	498,875.71
Total.....	107,564.74	107,607.39	33,713.27	77,217.07	782,216.28
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	29,572.20	31,433.68	8,245.48	26,549.45	352,270.11
Street lighting.....	1,443.03	1,018.86	298.47	1,632.29	8,834.28
Other.....	7.42	145.27	47.65	281.30	1,636.55
Total revenue.....	31,022.65	32,597.81	8,591.60	28,463.04	362,740.94
EXPENSE					
Power purchased.....	22,388.30	24,403.07	5,998.55	15,515.54	227,863.26
Local generation.....					
Operation and maintenance.....	1,532.71	2,194.36	348.90	2,244.98	20,599.77
Administration.....	2,615.10	1,853.84	344.51	2,525.98	36,069.67
Fixed charges—interest and principal.....		157.21		3,040.08	17,526.80
—depreciation.....	1,306.00	1,696.00	342.00	1,560.00	13,180.00
—other.....				66.25	
Total expense.....	27,842.11	30,304.48	7,033.96	24,952.83	315,239.50
Net income or net expense.....	3,180.54	2,293.33	1,557.64	3,510.21	47,501.44
Number of customers.....	369	395	98	322	3,288

Statements for the Year Ended December 31, 1957

Caledonia	Campbellville	Cannington	Cardinal	Carleton Place	Casselman	Cayuga
2,074	320	981	2,075	4,684	1,229	808
\$	\$	\$	\$	\$	\$	\$
115,386.19	14,964.67	59,694.28	62,669.69	218,566.47	76,732.89	76,729.67
19,294.14	3,309.58	14,693.11	8,557.14	39,248.95	6,643.99	13,388.60
96,092.05	11,655.09	45,001.17	54,112.55	179,317.52	70,088.90	63,341.07
8,399.09	1,549.21	4,659.62	3,217.43	.....	6,718.17	1,092.15
200.00	500.00	6,000.00	1,500.00	15,000.00	14,000.00	22,500.00
1,867.64	477.30	493.06	547.00	3,579.29	121.08	790.46
10,466.73	2,526.51	11,152.68	5,264.43	18,579.29	20,839.25	24,382.61
6,213.10	.....	740.75	.....	6,187.14	.....	206.72
8,020.19	1.25	.....	1,729.40	100.00	.....	548.36
14,233.29	1.25	740.75	1,729.40	6,287.14	.....	755.08
78,711.83	10,885.72	52,448.64	40,935.32	285,023.41	5,943.36	35,203.33
199,503.90	25,068.57	109,343.24	102,041.70	489,207.36	96,871.51	123,682.09
4,500.00	.....	.....	.....	15,180.00	57,500.00	.....
2,979.93	.....	2,945.62	.....	11,884.93	.....	1,925.57
1,055.69	.....	348.06	.....	2,790.88	10.00	680.43
8,535.62	.....	3,293.68	.....	29,855.81	57,510.00	2,606.00
78,711.83	10,885.72	52,448.64	40,935.32	285,023.41	5,943.36	35,203.33
320.84	17.00	28.68	.....	686.82	.....	111.83
79,032.67	10,902.72	52,477.32	40,935.32	285,710.23	5,943.36	35,315.16
11,124.00	5,447.77	14,532.42	11,014.20	58,116.83	12,500.00	20,000.00
.....
100,811.61	8,718.08	39,039.82	50,092.18	115,524.49	20,918.15	65,760.93
.....
111,935.61	14,165.85	53,572.24	61,106.38	173,641.32	33,418.15	85,760.93
199,503.96	25,068.57	109,343.24	102,041.70	489,207.36	96,871.51	123,682.09
52,296.11	6,957.19	31,262.17	43,041.90	136,762.98	33,111.55	21,918.41
3,087.59	366.74	1,733.79	1,114.32	6,207.15	1,164.47	2,006.05
94.49	17.74	260.91	269.25	1,461.63	461.37	858.87
55,478.19	7,341.67	33,256.87	44,425.47	144,431.76	34,737.39	24,783.33
29,531.21	4,746.12	22,206.36	29,159.38	102,799.54	18,638.50	13,163.34
.....
3,795.74	273.91	2,229.84	3,534.13	15,143.46	1,333.56	3,919.61
5,888.27	390.74	2,182.60	2,942.80	20,594.20	2,606.58	4,571.99
1,247.79	.....	.....	.....	1,075.88	5,500.00	.....
2,845.00	402.00	1,740.00	1,544.00	5,482.00	1,610.00	1,899.00
.....	17.00	.....	.....	.....	.....	.....
43,308.01	5,829.77	28,358.80	37,180.31	145,095.08	29,688.64	23,553.94
12,170.18	1,511.90	4,898.07	7,245.16	663.32	5,048.75	1,229.39
775	83	425	637	1,670	353	339

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Chalk River	Chatham	Chatsworth	Chesley	Chesterville
Population.....	917	22,259	391	1,635	1,205
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	62,045.04	2,234,671.55	25,563.95	99,458.92	60,209.89
Accumulated depreciation.....	8,346.59	407,182.96	6,734.16	29,700.44	12,801.03
Net fixed assets.....	53,698.45	1,827,488.59	18,829.79	69,758.48	47,408.86
CURRENT ASSETS					
Cash on hand and in bank.....	4,974.90	50.00	8,663.68	9,970.13	11,308.36
Investment in government securities.....		140,000.00	3,000.00	12,000.00	6,000.00
Accounts receivable.....	4,649.35	135,986.48	347.65	318.39	2,051.63
Total current assets.....	9,624.25	276,036.48	12,011.33	22,288.52	19,359.99
OTHER ASSETS					
Inventory of stores.....		81,499.73	102.06	464.99	
Sinking fund on local debentures.....					
Miscellaneous.....		7,046.80			
Total other assets.....		88,546.53	102.06	464.99	
Equity in Ontario Hydro systems.....		1,397,960.90	19,016.42	121,476.87	88,006.94
Total	63,322.70	3,590,032.50	49,959.60	213,988.86	154,775.79
LIABILITIES					
Debentures outstanding.....	53,500.00	569,277.07			
Accounts payable.....		90,318.53	64.00	226.28	17.63
Other.....	210.00	14,888.29	138.85		80.00
Total liabilities.....	53,710.00	674,483.89	202.85	226.28	97.63
RESERVES					
Equity in Ontario Hydro systems.....		1,397,960.90	19,016.42	121,476.87	88,006.94
Other.....		61,416.52			
Total reserves.....		1,459,377.42	19,016.42	121,476.87	88,006.94
CAPITAL					
Debentures redeemed.....	1,500.00	650,722.93	5,014.10	24,410.34	5,889.32
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds...	8,112.70	825,850.08	25,726.23	67,875.37	60,781.90
Frequency standardization expense charged this year.....		20,401.82			
Total capital.....	9,612.70	1,456,171.19	30,740.33	92,285.71	66,671.22
Total	63,322.70	3,590,032.50	49,959.60	213,988.86	154,775.79
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	25,934.92	1,052,542.84	11,386.78	51,313.52	50,865.79
Street lighting.....	314.54	54,925.22	1,375.82	2,539.80	1,752.60
Other.....		8,187.97	202.77	534.96	406.71
Total revenue	26,249.46	1,115,656.03	12,965.37	54,388.28	53,025.10
EXPENSE					
Power purchased.....	10,828.43	530,884.78	8,251.78	38,604.76	39,386.29
Local generation.....					
Operation and maintenance.....	358.62	195,671.81	947.86	4,477.54	3,251.23
Administration.....	1,094.80	151,623.57	1,002.41	4,019.24	1,852.79
Fixed charges—interest and principal.....	4,439.91	73,118.88			
—depreciation.....	1,415.00	56,011.00	746.00	3,038.00	1,615.00
—other.....					
Total expense.....	18,136.76	1,007,310.04	10,948.05	50,139.54	46,105.31
Net income or net expense	8,112.70	108,345.99	2,017.32	4,248.74	6,919.79
Number of customers.....	259	7,475	166	698	431

Statements for the Year Ended December 31, 1957

Chippawa	Clifford	Clinton	Cobden	Cobourg	Colborne	Coldwater
2,134	537	2,920	877	8,548	1,223	704
\$	\$	\$	\$	\$	\$	\$
120,553.82	36,577.36	215,339.05	53,594.51	668,991.00	76,216.03	47,199.30
24,760.77	5,500.41	31,826.29	5,002.47	141,134.09	6,585.21	11,350.99
95,793.05	31,076.95	183,512.76	48,592.04	527,856.91	69,630.82	35,848.31
	6,304.23	22,552.39	14,446.03	31,185.43	130.00	6,816.58
	3,000.00	15,000.00	8,000.00	10,000.00		12,500.00
1,485.32	130.60	878.27	179.59	21,916.46	1,889.19	1,100.90
1,485.32	9,434.83	38,430.66	22,625.62	63,101.89	2,019.19	20,417.48
369.23		3,598.83		18,115.49	9,850.41	
38.48	29.32	722.34		1,822.88		
407.71	29.32	4,321.17		19,938.37	9,850.41	
60,276.75	27,787.52	165,849.28	18,832.54	325,608.05	32,652.45	42,993.37
157,962.83	68,328.62	392,113.87	90,050.20	936,505.22	114,152.87	99,259.16
	6,690.33	65,600.00				
8,104.78	383.95	249.09		130.52	11,122.12	34.00
1,560.00	5.00	3,544.12	97.89	10,897.83	987.00	115.37
9,664.78	7,079.28	69,393.21	97.89	11,028.35	12,109.12	149.37
60,276.75	27,787.52	165,849.28	18,832.54	325,608.05	32,652.45	42,993.37
35.00	331.07	3,933.98				136.48
60,311.75	28,118.59	169,783.26	18,832.54	325,608.05	32,652.45	43,129.85
13,350.00	8,255.01	57,400.00	4,949.42	105,993.50	12,194.59	6,867.47
74,636.30	24,875.74	95,537.40	66,170.35	493,875.32	57,196.71	49,112.47
87,986.30	33,130.75	152,937.40	71,119.77	599,868.82	69,391.30	55,979.94
157,962.83	68,328.62	392,113.87	90,050.20	936,505.22	114,152.87	99,259.16
48,645.12	16,688.08	113,870.03	19,916.29	399,681.83	38,686.62	20,326.62
3,415.84	1,124.27	2,603.90	1,653.29	10,490.91	2,194.14	1,304.56
	14.50	916.53	345.09	1,096.68	506.43	466.06
52,060.96	17,826.85	117,390.46	21,914.67	411,269.42	41,387.19	22,097.24
32,670.09	11,149.51	67,285.65	14,909.35	252,703.83	25,545.66	13,144.32
3,889.45	933.46	11,431.99	1,768.39	27,290.34	2,932.71	1,826.15
3,284.91	1,308.19	8,947.43	1,569.55	26,986.84	5,552.65	1,586.29
16.70	535.58	6,831.50			249.69	1.92
3,069.00	1,044.00	5,213.00	1,193.00	17,625.00	1,416.00	1,354.00
42,930.15	14,970.74	99,709.57	19,440.29	324,606.01	35,696.71	17,912.68
9,130.81	2,856.11	17,680.89	2,474.38	86,663.41	5,690.48	4,184.46
725	209	1,118	374	3,056	521	255

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Collingwood	Comber	Cookstown	Cottam	Courtright
Population.....	7,880	585	562	645	580
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	393,140.02	42,727.04	44,298.22	43,343.38	23,297.53
Accumulated depreciation.....	79,532.96	9,714.92	6,116.95	9,056.02	3,519.41
Net fixed assets.....	313,607.06	33,012.12	38,181.27	34,287.36	19,778.12
CURRENT ASSETS					
Cash on hand and in bank.....	65,087.92	5,761.02	8,019.34	5,666.07	1,138.46
Investment in government securities..	11,000.00	.....	.....	3,000.00	4,000.00
Accounts receivable.....	3,213.97	249.31	85.03	50.46	519.78
Total current assets.....	79,301.89	6,010.33	8,104.37	8,716.53	5,658.24
OTHER ASSETS					
Inventory of stores.....	13,615.93	12.00	.....	115.00	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	872.77	3,572.01	.....	.....	902.22
Total other assets.....	14,488.70	3,584.01	.....	115.00	902.22
Equity in Ontario Hydro systems.....	474,552.44	51,401.25	20,710.58	18,070.71	18,061.81
Total.....	881,950.09	94,007.71	66,996.22	61,189.60	44,400.39
LIABILITIES					
Debentures outstanding.....	.....	3,261.10	.....	3,500.00	.....
Accounts payable.....	683.34	1.85	1,101.03	272.41	69.56
Other.....	6,240.15	183.31	522.69	676.59	437.48
Total liabilities.....	6,923.49	3,446.26	1,623.72	4,449.00	507.04
RESERVES					
Equity in Ontario Hydro systems.....	474,552.44	51,401.25	20,710.58	18,070.71	18,061.81
Other.....	100.00	25.38	93.40	354.94	80.24
Total reserves.....	474,652.44	51,426.63	20,803.98	18,425.65	18,142.05
CAPITAL					
Debentures redeemed.....	38,183.42	9,438.90	12,000.85	10,500.22	8,138.35
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds....	362,190.74	29,695.92	32,567.67	27,814.73	17,612.95
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	400,374.16	39,134.82	44,568.52	38,314.95	25,751.30
Total.....	881,950.09	94,007.71	66,996.22	61,189.60	44,400.39
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	268,359.01	18,600.55	16,422.88	15,069.47	7,259.86
Street lighting.....	8,395.53	985.96	822.17	550.00	745.42
Other.....	1,887.19	4.56	211.37	47.89	195.30
Total revenue.....	278,641.73	19,591.07	17,456.42	15,667.36	8,200.58
EXPENSE					
Power purchased.....	199,442.55	10,618.57	11,287.08	7,450.56	5,421.35
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	19,500.67	1,847.52	1,434.06	852.81	1,231.39
Administration.....	15,727.00	2,013.81	1,112.46	1,619.16	911.08
Fixed charges—interest and principal.....	.....	420.68	.....	668.75	.....
—depreciation.....	10,104.00	1,172.00	1,049.00	1,187.00	570.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	244,774.22	16,072.58	14,882.60	11,778.28	8,133.82
Net Income or net expense.....	33,867.51	3,518.49	2,573.82	3,889.08	66.76
Number of customers.....	2,841	237	254	238	197

Statements for the Year Ended December 31, 1957

Creemore	Dashwood	Delaware	Delhi	Deseronto	Dorchester	Drayton
854	391	407	3,140	1,678	779	568
\$	\$	\$	\$	\$	\$	\$
38,891.21	22,662.43	19,020.39	244,241.29	109,170.95	46,611.75	42,675.81
6,755.96	3,387.86	5,996.12	41,222.83	20,803.49	9,425.76	9,897.35
32,135.25	19,274.57	13,024.27	203,018.46	88,367.46	37,185.99	32,778.46
2,506.97	5,397.73	1,875.74	100.00	1,050.01	3,153.00	4,403.15
10,000.00	.....	.....	28,500.00	16,000.00	1,500.00	6,000.00
743.02	25.12	652.49	2,587.68	5,118.51	487.87	799.11
13,249.99	5,422.85	2,528.23	31,187.68	22,168.52	5,140.87	11,202.26
.....	.....	.....	11,002.93	7,321.06	.....	.....
600.00	.....	300.00	18,294.55	1,447.15	.....	102.70
600.00	.....	300.00	29,297.48	8,768.21	.....	102.70
38,846.17	28,686.77	14,541.31	70,514.57	42,762.27	26,721.32	40,178.17
84,831.41	53,384.19	30,393.81	334,018.19	162,066.46	69,048.18	84,261.59
.....	.....	.....	9,805.02	.....	2,608.96	.....
.....	526.49	47.32	836.97	30.00	1,800.00	75.00
588.70	.....	50.00	3,770.54	2,087.57	318.22	25.00
588.70	526.49	97.32	14,412.53	2,117.57	4,727.18	100.00
38,846.17	28,686.77	14,541.31	70,514.57	42,762.27	26,721.32	40,178.17
58.09	.....	22.53	95.00	.....	.....	.....
38,904.26	28,686.77	14,563.84	70,609.57	42,762.27	26,721.32	40,178.17
2,823.61	3,400.00	4,000.00	75,194.98	15,000.00	4,691.04	9,500.00
.....
42,514.84	20,770.93	11,732.65	173,801.11	102,186.62	32,908.64	34,483.42
.....
45,338.45	24,170.93	15,732.65	248,996.09	117,186.62	37,599.68	43,983.42
84,831.41	53,384.19	30,393.81	334,018.19	162,066.46	69,048.18	84,261.59
21,142.44	13,036.29	11,069.00	121,841.15	42,971.34	15,806.12	18,039.60
1,485.60	403.83	313.38	5,142.52	2,997.41	1,718.60	1,749.59
305.43	3.48	2.81	1,660.13	1,038.98	50.07	140.16
22,933.47	13,443.60	11,385.19	128,643.80	47,007.73	17,574.79	19,929.35
15,690.42	9,463.63	7,820.35	75,852.56	28,718.28	12,195.07	11,625.03
.....
1,574.03	930.95	882.52	10,992.80	5,608.83	2,431.94	2,067.73
1,513.70	1,420.02	1,044.22	10,048.10	6,417.38	1,721.39	1,815.88
.....	.....	1.17	6,157.84	.....	240.72	1.68
1,020.00	539.00	591.00	5,367.00	2,763.00	1,237.00	1,246.00
.....
19,798.15	12,353.60	10,339.26	108,418.30	43,507.49	17,826.12	16,756.32
3,135.32	1,090.00	1,045.93	20,225.50	3,500.24	251.33	3,173.03
350	174	131	1,259	620	295	260

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Dresden	Drumbo	Dublin	Dundalk	Dundas
Population.....	2,216	365	250	821	10,210
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	157,498.01	26,072.50	29,663.98	46,482.95	612,492.54
Accumulated depreciation.....	16,492.79	9,182.85	5,787.53	10,190.24	117,880.49
Net fixed assets.....	141,005.22	16,889.65	23,876.45	36,292.71	494,612.05
CURRENT ASSETS					
Cash on hand and in bank.....	7,235.37	2,451.40	1,230.86	6,330.99	11,644.27
Investment in government securities..	21,000.00	5,500.00	1,300.00	6,500.00	9,000.00
Accounts receivable.....	4,006.32	725.43	41.39	443.89	3,172.37
Total current assets.....	32,241.69	8,676.83	2,572.25	13,274.88	23,816.64
OTHER ASSETS					
Inventory of stores.....	9,470.47	.....	.....	.....	12,173.92
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	2,073.71	2,046.44	.....	.....	600.81
Total other assets.....	11,544.18	2,046.44	.....	.....	12,774.73
Equity in Ontario Hydro systems.....	110,993.85	23,049.60	17,495.47	46,071.50	482,974.80
Total.....	295,784.94	50,662.52	43,944.17	95,639.09	1,014,178.22
LIABILITIES					
Debentures outstanding.....	28,896.74	.....	.....	.....	180,500.00
Accounts payable.....	526.86	221.02	2,417.15	.....	3,276.55
Other.....	1,254.00	126.00	25.00	100.00	10,093.31
Total liabilities.....	30,677.60	347.02	2,442.15	100.00	193,869.86
RESERVES					
Equity in Ontario Hydro systems....	110,993.85	23,049.60	17,495.47	46,071.50	482,974.80
Other.....	1,963.19	.....	.....	.....	1,852.88
Total reserves.....	112,957.04	23,049.60	17,495.47	46,071.50	484,827.68
CAPITAL					
Debentures redeemed.....	22,526.50	4,500.00	6,200.00	5,727.27	67,500.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	130,013.34	22,765.90	17,806.55	43,740.32	268,056.68
Frequency standardization expense charged this year.....	389.54	.....	.....	.....	76.00
Total capital.....	152,150.30	27,265.90	24,006.55	49,467.59	335,480.68
Total.....	295,784.94	50,662.52	43,944.17	95,639.09	1,014,178.22
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	76,910.72	11,088.51	11,162.20	28,697.37	340,048.79
Street lighting.....	3,642.00	389.44	501.72	1,548.26	14,308.68
Other.....	4,151.24	241.73	52.37	201.93	1,127.74
Total revenue.....	84,703.96	11,719.68	11,716.29	30,447.56	355,485.21
EXPENSE					
Power purchased.....	40,554.07	8,348.16	6,905.02	16,843.74	208,075.60
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	11,443.71	562.94	809.16	3,263.95	45,141.80
Administration.....	14,876.92	934.27	821.86	3,168.31	21,334.14
Fixed charges—interest and principal..	3,936.93	.....	.....	.....	15,000.56
—depreciation.....	3,390.00	501.00	795.00	1,267.00	15,661.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	74,201.63	10,346.37	9,331.04	24,543.00	305,213.10
Net income or net expense.....	10,502.33	1,373.31	2,385.25	5,904.56	50,272.11
Number of customers.....	873	162	114	402	3,267

Statements for the Year Ended December 31, 1957

Dunnville 4,996	Durham 2,051	Dutton 801	East York Twp. 69,182	Eganville 1,565	Elmira 2,839	Elmvale 908
\$ 314,725.08 57,475.60	\$ 119,407.31 13,379.41	\$ 37,864.05 14,349.30	\$ 3,303,093.49 433,636.74	\$ 143,244.99 29,218.69	\$ 290,228.16 61,355.66	\$ 60,647.59 12,325.84
257,249.48	106,027.90	23,514.75	2,869,456.75	114,026.30	228,872.50	48,321.75
70.00	6,570.99	4,608.98	236,103.84	8,174.30	4,613.58	17,417.18
20,000.00	4,000.00	5,500.00	350,000.00	10,000.00	.....	1,500.00
4,274.23	1,616.86	416.35	109,171.68	605.31	450.49	403.86
24,344.23	12,187.85	10,525.33	695,275.52	18,779.61	5,064.07	19,321.04
34,376.39	1,616.15	.....	30,647.99	2,657.24	499.70	.....
.....	.....	.....	35,593.10	.....	.....	.....
253.06	.....	4,909.89	150.00	.....	720.09	.....
34,629.45	1,616.15	4,909.89	66,391.09	2,657.24	1,219.79	.....
245,833.30	101,644.35	59,004.84	1,545,199.38	3,426.76	269,397.36	48,452.25
562,056.46	221,476.25	97,954.81	5,176,322.74	138,889.91	504,553.72	116,095.04
60,230.00	.....	.....	713,017.46	57,711.84	.....	.....
16,394.43	309.91	1,819.70	141,280.33	343.20	4,363.79	1,183.71
6,199.15	1,073.00	212.36	34,846.17	.....	1,669.05	.....
82,823.58	1,382.91	2,032.06	889,143.96	58,055.04	6,032.84	1,183.71
245,833.30	101,644.35	59,004.84	1,545,199.38	3,426.76	269,397.36	48,452.25
350.00	.....	.....	39,991.32	.....	.....	79.55
246,183.30	101,644.35	59,004.84	1,585,190.70	3,426.76	269,397.36	48,531.80
80,270.00	25,323.97	8,407.49	570,763.36	42,288.16	37,168.50	6,544.07
.....	.....	.....	35,593.10	.....	.....	.....
152,782.92	93,125.02	28,510.42	2,095,631.62	35,119.95	192,224.24	59,835.46
3.34	.....	.....	.....	.....	269.22	.....
233,049.58	118,448.99	36,917.91	2,701,988.08	77,408.11	229,123.52	66,379.53
562,056.46	221,476.25	97,954.81	5,176,322.74	138,889.91	504,553.72	116,095.04
188,267.39	74,488.31	20,725.18	1,767,754.12	42,370.83	147,532.50	26,728.16
8,643.87	2,803.89	1,486.80	65,615.85	1,464.52	3,771.99	1,623.22
.....	437.78	206.71	24,194.61	546.91	578.60	129.34
196,911.26	77,729.98	22,418.69	1,857,564.58	44,382.26	151,883.09	28,480.72
129,093.58	46,999.46	14,951.58	1,141,894.51	11,037.92	120,731.02	17,285.32
.....	.....	.....	.....	10,733.40	.....	.....
25,569.61	8,757.85	2,359.01	142,335.87	2,805.30	8,828.09	2,809.91
11,061.58	5,449.18	1,602.47	136,829.27	5,243.08	8,417.41	1,997.97
4,726.91	.....	9.73	77,832.50	7,035.35	245.76	.....
7,944.00	2,805.00	785.00	78,215.00	3,632.00	7,817.00	1,710.00
.....	.....	49.17	2,000.00	.....	.....	.....
178,395.68	64,011.49	19,756.96	1,579,107.15	40,487.05	146,039.28	23,803.20
18,515.58	13,718.49	2,661.73	278,457.43	3,895.21	5,843.81	4,677.52
1,826	805	342	20,777	532	1,056	374

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Elmwood	Elora	Embro	Erieau	Erie Beach
Population.....	V.A.	1,515	508	465	97
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	22,003.66	93,940.56	35,929.57	68,628.77	19,459.95
Accumulated depreciation.....	5,747.31	26,651.11	12,369.27	9,084.84	1,120.44
Net fixed assets.....	16,256.35	67,289.45	23,560.30	59,543.93	18,339.51
CURRENT ASSETS					
Cash on hand and in bank.....	5,187.95	7,242.48	5,670.67	8,333.89	61.07
Investment in government securities..	5,700.00	.....	6,500.00	.....	.....
Accounts receivable.....	256.63	657.62	701.03	4,013.66	315.92
Total current assets.....	11,144.58	7,900.10	12,871.70	12,347.55	376.99
OTHER ASSETS					
Inventory of stores.....	.....	210.99	.....	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	10.00	75.25	3,388.24	452.35
Total other assets.....	.....	220.99	75.25	3,388.24	452.35
Equity in Ontario Hydro systems.....	16,263.81	114,758.61	36,497.36	29,750.13	5,608.61
Total.....	43,664.74	190,169.15	73,004.61	105,029.85	24,777.46
LIABILITIES					
Debentures outstanding.....	.....	6,300.00	.....	15,000.00	5,000.00
Accounts payable.....	805.56	2,145.36	.....	.....	425.20
Other.....	25.00	865.00	55.00	252.50	255.00
Total liabilities.....	830.56	9,310.36	55.00	15,252.50	5,680.20
RESERVES					
Equity in Ontario Hydro systems.....	16,263.81	114,758.61	36,497.36	29,750.13	5,608.61
Other.....	.....	55.74	.....	808.23	81.06
Total reserves.....	16,263.81	114,814.35	36,497.36	30,558.36	5,689.67
CAPITAL					
Debentures redeemed.....	6,106.38	13,700.00	7,500.00	6,883.13	3,300.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds... ..	20,463.99	52,344.44	28,966.25	52,335.86	10,213.93
Frequency standardization expense charged this year.....	.....	.....	14.00	.....	106.34
Total capital.....	26,570.37	66,044.44	36,452.25	59,218.99	13,407.59
Total.....	43,664.74	190,169.15	73,004.61	105,029.85	24,777.46
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	8,063.89	44,260.55	18,678.53	26,428.87	4,663.99
Street lighting.....	717.84	1,679.42	657.29	964.18	240.12
Other.....	339.37	297.63	198.22	326.59	43.87
Total revenue.....	9,121.10	46,237.60	19,534.04	27,719.64	4,947.98
EXPENSE					
Power purchased.....	5,936.07	30,048.52	12,801.16	14,504.79	2,115.42
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	480.64	5,423.74	2,580.70	3,520.77	260.22
Administration.....	979.14	2,429.04	1,712.95	2,278.77	1,028.09
Fixed charges—interest and principal.....	.....	692.77	.....	1,008.26	425.20
—depreciation.....	660.00	2,647.00	1,153.00	1,587.00	372.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	8,055.85	41,241.07	18,247.81	22,899.59	4,200.93
Net income or net expense.....	1,065.25	4,996.53	1,286.23	4,820.05	747.05
Number of customers.....	129	527	218	313	135

Statements for the Year Ended December 31, 1957

Frin 941	Essex 3,464	Etobicoke Twp. 110,306	Exeter 2,699	Fergus 3,710	Finch 400	Flesherton 477
\$ 46,281.97 3,772.96	\$ 208,781.24 56,954.60	\$ 9,940,397.00 777,578.52	\$ 179,772.67 50,282.74	\$ 248,986.11 37,397.51	\$ 32,487.09 6,831.54	\$ 32,411.68 8,312.95
42,509.01	151,826.64	9,162,818.48	129,489.93	211,588.60	25,655.55	24,098.73
9,978.58	9,714.48	401,728.42	16,275.72	6,372.04	928.62	5,260.60
905.73	866.84	37,000.00	10,000.00	1,828.39	14,000.00	16,000.00
		272,623.22	1,828.39	2,856.78	1,469.11	69.34
10,884.31	10,581.32	711,351.64	28,104.11	9,228.82	16,397.73	21,329.94
	8,956.94	136,863.59	1,826.66	516.15		
		136,358.89				
	11,722.22	7,153.50	684.69	229.16		
	20,679.16	280,375.98	2,511.35	745.31		
8,143.64	122,478.41	1,905,271.50	160,033.94	246,937.35	17,988.77	22,181.79
61,536.96	305,565.53	12,059,817.60	320,139.33	468,500.08	60,042.05	67,610.46
6,525.00	11,400.00	6,193,873.37		29,000.00		
352.42	452.03	49.06	63.33	200.00		427.54
595.00	1,099.00	70,738.34	2,251.84	2,269.96	206.04	182.00
7,472.42	12,951.03	6,264,660.77	2,315.17	31,469.96	206.04	609.54
8,143.64	122,478.41	1,905,271.50	160,033.94	246,937.35	17,988.77	22,181.79
36.00	1,162.82	194,039.10	181.89	526.66		
8,179.64	123,641.23	2,099,310.60	160,215.83	247,464.01	17,988.77	22,181.79
7,975.00	26,100.00	994,495.40	20,000.05	46,000.00	7,000.00	5,830.88
		136,358.89				
37,909.90	142,873.27	2,564,991.94	137,608.28	143,566.11	34,847.24	38,988.25
45,884.90	168,973.27	3,695,846.23	157,608.33	189,566.11	41,847.24	44,819.13
61,536.96	305,565.53	12,059,817.60	320,139.33	468,500.08	60,042.05	67,610.46
26,281.38	90,856.19	4,465,211.61	107,986.84	160,019.72	9,640.18	14,370.74
1,309.11	3,932.51	108,219.91	3,933.57	4,778.10	1,200.35	908.94
83.44	1,512.11	24,171.73	2,101.56	521.47	505.20	370.69
27,673.93	96,300.81	4,597,603.25	114,021.97	165,319.29	11,345.73	15,650.37
14,765.86	51,722.89	2,790,864.06	71,388.37	120,204.67	6,688.92	9,476.07
2,245.72	11,080.97	284,787.00	10,812.96	14,053.00	594.17	1,059.96
2,143.74	12,724.14	238,153.46	12,396.76	8,438.61	1,121.04	812.39
960.60	1,950.00	488,403.83		3,226.66		21.92
998.00	5,850.00	200,128.00	5,210.00	5,881.00	862.00	951.00
		5,364.71				
21,113.92	83,328.00	4,007,701.06	99,808.09	151,803.94	9,266.13	12,321.34
6,560.01	12,972.81	589,902.19	14,213.88	13,515.35	2,079.60	3,329.03
374	1,165	38,034	1,133	1,274	171	234

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Fonthill	Forest	Forest Hill	Frankford	Galt
Population.....	1,968	2,025	19,944	1,522	24,555
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	128,556.91	118,023.35	1,330,052.93	67,592.97	2,257,614.51
Accumulated depreciation.....	16,108.30	36,167.52	374,250.69	9,497.80	657,545.60
Net fixed assets.....	112,448.61	81,855.83	955,802.24	58,095.17	1,600,068.91
CURRENT ASSETS					
Cash on hand and in bank.....		13,477.52	158,761.39	17,712.54	35,109.19
Investment in government securities..		36,500.00	74,000.00		90,000.00
Accounts receivable.....	1,252.97	1,537.29	12,485.36	811.40	13,332.04
Total current assets.....	1,252.97	51,514.81	245,246.75	18,523.94	138,441.23
OTHER ASSETS					
Inventory of stores.....	100.50	2,400.52	36,518.89		65,159.01
Sinking fund on local debentures.....					
Miscellaneous.....		398.58		600.00	2,823.68
Total other assets.....	100.50	2,799.10	36,518.89	600.00	67,982.69
Equity in Ontario Hydro systems.....	39,007.50	124,395.72	818,042.24	11,409.87	1,891,297.36
Total.....	152,809.58	260,565.46	2,055,610.12	88,628.98	3,697,790.19
LIABILITIES					
Debentures outstanding.....	25,850.00		7,780.57	4,000.00	197,000.00
Accounts payable.....	8,172.74	780.07	5,622.04		8,930.30
Other.....	8,849.54	874.36	34,439.22	1,249.00	22,648.29
Total liabilities.....	42,872.28	1,654.43	47,841.83	5,249.00	228,578.59
RESERVES					
Equity in Ontario Hydro systems.....	39,007.50	124,395.72	818,042.24	11,409.87	1,891,297.36
Other.....			2,087.77		27,801.79
Total reserves.....	39,007.50	124,395.72	820,130.01	11,409.87	1,919,099.15
CAPITAL					
Debentures redeemed.....	35,650.00	23,357.13	355,001.03	16,000.00	621,001.95
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	40,607.00	111,158.18	832,637.25	55,970.11	929,110.50
Frequency standardization expense charged this year.....	5,327.20				
Total capital.....	70,929.80	134,515.31	1,187,638.28	71,970.11	1,550,112.45
Total.....	152,809.58	260,565.46	2,055,610.12	88,628.98	3,697,790.19
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	54,562.12	72,310.65	709,837.22	30,741.15	1,013,128.24
Street lighting.....	2,685.00	2,688.47	15,798.87	1,883.14	46,177.82
Other.....		1,215.08	8,008.37	248.71	5,886.38
Total revenue.....	57,247.12	76,214.20	733,644.46	32,873.00	1,065,192.44
EXPENSE					
Power purchased.....	38,614.55	48,059.95	427,695.15	16,983.24	700,534.79
Local generation.....					
Operation and maintenance.....	4,088.66	9,087.35	51,329.63	1,894.73	99,751.15
Administration.....	3,512.28	6,073.44	57,626.14	3,307.65	45,802.69
Fixed charges—interest and principal.....	4,503.53		7,375.99	2,180.00	33,804.46
—depreciation.....	2,891.00	2,046.00	38,967.00	1,645.00	67,273.00
—other.....		26.05	1,000.00		
Total expense.....	53,610.02	65,292.79	583,993.91	26,010.62	947,166.09
Net income or net expense.....	3,637.10	10,921.41	149,650.55	6,862.38	118,026.35
Number of customers.....	674	844	6,804	542	8,091

Statements for the Year Ended December 31, 1957

Georgetown	Glencoe	Goderich	Grand Bend	Grand Valley	Granton	Gravenhurst
6,534	1,064	5,775	937	667	287	3,030
\$	\$	\$	\$	\$	\$	\$
634,679.61	94,012.53	555,645.81	116,080.54	42,414.28	13,734.94	187,493.53
66,908.66	24,135.92	136,916.16	23,950.57	12,435.01	2,576.63	46,666.98
567,770.95	69,876.61	418,729.65	92,129.97	29,979.27	11,158.31	140,826.57
83,986.05	2,346.03	86,783.99	10,515.21	3,359.16	3,334.51	13,820.51
4,000.00	10,700.00	36,000.00	.....	5,500.00	.....	50,000.00
7,253.74	3,066.75	11,589.99	1,261.81	463.38	78.47	2,323.14
95,239.79	16,112.78	134,373.98	11,777.02	9,322.54	3,412.98	66,143.65
19,472.78	1,097.34	4,204.92	1,184.20	.....	.....	4,219.13
353.99	736.88	449.72	133.68	.....	.....	.....
19,826.77	1,834.22	4,654.64	1,317.88	.....	.....	4,219.13
385,044.07	63,113.53	413,775.82	16,026.52	42,371.64	22,157.73	149,947.53
1,067,881.58	150,937.14	971,534.09	121,251.39	81,673.45	36,729.02	361,136.88
352,344.17	.....	97,500.00	76,896.12	.....	1,557.48	.....
2,142.24	179.67	1,104.40	1,848.36	.....	517.31	179.22
10,574.49	455.00	14,465.52	365.00	.....	30.00	2,010.19
365,060.90	634.67	113,069.92	79,109.48	.....	2,104.79	2,189.41
385,044.07	63,113.53	413,775.82	16,026.52	42,371.64	22,157.73	149,947.53
17,560.54	300.99	514.86	3,620.56	.....	55.58	390.31
402,604.61	63,414.52	414,290.68	19,647.08	42,371.64	22,213.31	150,337.84
38,655.83	20,112.88	123,588.05	8,103.88	10,794.30	5,086.10	44,278.97
261,560.24	66,775.07	321,708.44	14,390.95	28,507.51	7,324.82	164,330.66
.....	.....	1,123.00	.....	.....	.....	.....
300,216.07	86,887.95	444,173.49	22,494.83	39,301.81	12,410.92	208,609.63
1,067,881.58	150,937.14	971,534.09	121,251.39	81,673.45	36,729.02	361,136.88
311,390.63	32,326.05	272,993.21	48,665.30	21,593.93	6,903.77	116,760.30
9,003.42	2,927.55	8,392.89	1,569.43	796.62	300.89	4,410.39
3,099.30	1,067.80	1,296.07	84.76	198.03	5.73	1,431.20
323,493.35	36,321.40	282,682.17	50,319.49	22,588.58	7,210.39	122,601.89
182,775.87	19,390.08	170,113.28	25,365.62	15,133.86	3,966.48	85,079.16
10,511.54	5,472.92	24,656.25	3,566.59	1,712.12	991.30	9,390.35
26,641.94	3,810.96	20,257.08	5,696.61	1,385.60	994.16	8,127.84
29,345.86	.....	9,100.00	6,820.62	.....	307.50	.....
13,085.00	2,663.00	15,267.00	2,924.00	1,334.00	364.00	5,367.00
262,360.21	31,336.96	239,393.61	44,373.44	19,565.58	6,623.44	107,964.35
61,133.14	4,984.44	43,288.56	5,946.05	3,023.00	586.95	14,637.54
2,599	449	2,202	785	319	116	1,285

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Grimsby	Guelph	Hagersville	Hamilton	Hanover
Population.....	4,289	34,323	2,010	240,891	4,043
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	218,116.88	2,459,003.77	103,883.91	18,967,064.63	257,724.94
Accumulated depreciation.....	31,043.70	462,895.98	29,325.17	1,604,102.85	90,662.06
Net fixed assets.....	187,073.18	1,996,107.79	74,558.74	17,362,961.78	167,062.88
CURRENT ASSETS					
Cash on hand and in bank.....		362.50	4,966.48	439,165.38	19,675.54
Investment in government securities..	17,000.00		37,000.00		107,000.00
Accounts receivable.....	843.10	174,148.50	160.19	1,035,996.82	3,686.42
Total current assets.....	17,843.10	174,511.00	42,126.67	1,475,162.20	130,361.96
OTHER ASSETS					
Inventory of stores.....	36.24	77,499.37	45.65	821,939.23	7,764.04
Sinking fund on local debentures.....					
Miscellaneous.....	200.00	151,091.01	252.00	513,723.12	151.00
Total other assets.....	236.24	228,590.38	297.65	1,335,662.35	7,915.04
Equity in Ontario Hydro systems.....	75,923.77	2,213,233.21	230,534.57	21,372,925.79	279,874.23
Total.....	281,076.29	4,612,442.38	347,517.63	41,546,712.12	585,214.11
LIABILITIES					
Debentures outstanding.....		729,000.00		1,296,000.00	
Accounts payable.....	33,462.16	86,514.05		1,064,495.38	12,610.53
Other.....	4,130.88	27,060.67	1,245.00	95,324.31	2,352.53
Total liabilities.....	37,593.04	842,574.72	1,245.00	2,455,819.69	14,963.06
RESERVES					
Equity in Ontario Hydro systems.....	75,923.77	2,213,233.21	230,534.57	21,372,925.79	279,874.23
Other.....		37,478.34		235,017.70	
Total reserves.....	75,923.77	2,250,711.55	230,534.57	21,607,943.49	279,874.23
CAPITAL					
Debentures redeemed.....	85,344.00	266,000.00	8,000.00	6,389,275.19	80,162.29
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds...	100,066.36	1,253,156.11	107,738.06	11,237,118.12	210,214.53
Frequency standardization expense charged this year.....	17,850.88			143,444.37	
Total capital.....	167,559.48	1,519,156.11	115,738.06	17,482,948.94	290,376.82
Total.....	281,076.29	4,612,442.38	347,517.63	41,546,712.12	585,214.11
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	128,088.48	1,268,444.84	86,606.08	12,614,076.15	135,020.90
Street lighting.....	3,988.20	37,040.16	1,292.16	284,413.91	4,058.30
Other.....	447.58	7,205.66	1,389.40	88,890.31	4,249.88
Total revenue.....	132,524.26	1,312,690.66	89,287.64	12,987,380.37	143,329.08
EXPENSE					
Power purchased.....	95,506.07	914,277.24	68,781.79	9,648,692.40	100,341.18
Local generation.....					
Operation and maintenance.....	5,282.36	94,589.60	9,306.09	861,484.17	11,035.02
Administration.....	10,981.44	57,296.59	4,915.06	664,157.63	9,853.55
Fixed charges—interest and principal.....		55,650.33	.31	113,535.00	
—depreciation.....	5,063.00	63,880.00	3,046.00	349,896.62	5,028.00
—other.....					
Total expense.....	116,832.87	1,185,693.76	86,049.25	11,637,765.82	126,257.75
Net income or net expense.....	15,691.39	126,996.90	3,238.39	1,349,614.55	17,071.33
Number of customers.....	1,535	10,656	723	72,887	1,457

Statements for the Year Ended December 31, 1957

Harriston	Harrow	Hastings	Havelock	Hawkesbury	Hensall	Hespeler
1,611	1,816	854	1,288	8,220	833	4,108
\$	\$	\$	\$	\$	\$	\$
126,080.48	145,644.52	64,123.64	75,847.48	451,576.00	89,749.95	319,635.81
24,068.72	32,354.14	18,555.34	19,411.51	59,725.14	22,166.44	22,113.96
102,011.76	113,290.38	45,568.30	58,435.97	391,850.86	67,583.51	297,521.85
15,036.21	11,058.85	6,975.90	6,930.40	10,814.53	2,752.24	54,360.91
.....	11,000.00	7,000.00	27,000.00	.....	6,000.00	.....
849.03	377.78	209.40	2,361.80	3,047.33	1,495.49	26,151.32
15,885.24	22,436.63	14,185.30	36,292.20	13,861.86	10,247.73	80,512.23
370.63	3,682.62	.....	.....	11,877.54	.....	913.91
.....
1,633.95	2,577.03	330.00	400.00	.....	80.00	1,304.39
2,004.58	6,259.65	330.00	400.00	11,877.54	80.00	2,218.30
117,331.21	105,576.69	20,528.02	41,272.25	16,808.80	58,691.47	443,233.11
237,232.79	247,563.35	80,611.62	136,400.42	434,399.06	136,602.71	823,485.49
3,800.00	.....	.....	21,000.00	235,000.00	.....	.....
60.47	339.86	2,059.46	56.00	420.49	415.65	1,631.85
1,017.31	1,145.00	733.73	451.00	3,490.00	235.00	2,740.00
4,877.78	1,484.86	2,793.19	21,507.00	238,910.49	650.65	4,371.85
117,331.21	105,576.69	20,528.02	41,272.25	16,808.80	58,691.47	443,233.11
431.25	21.51	.....	.....	.....	38.26	60.00
117,762.46	105,598.20	20,528.02	41,272.25	16,808.80	58,729.73	443,293.11
27,018.03	12,000.00	21,000.00	41,900.00	50,000.00	12,000.00	77,570.51
.....
87,574.52	128,480.29	36,290.41	31,721.17	128,679.77	65,222.33	298,250.02
.....
114,592.55	140,480.29	57,290.41	73,621.17	178,679.77	77,222.33	375,820.53
237,232.79	247,563.35	80,611.62	136,400.42	434,399.06	136,602.71	823,485.49
60,420.65	73,416.49	23,797.79	30,010.37	186,998.06	37,884.36	239,461.85
2,767.20	2,924.35	2,077.92	1,730.91	8,000.83	1,681.88	8,523.36
191.36	404.38	345.12	1,230.29	508.82	79.85	3,383.33
63,379.21	76,745.22	26,220.83	32,971.57	195,507.71	39,646.09	251,368.54
41,634.80	43,929.00	13,925.33	15,052.58	70,223.25	27,639.21	196,719.93
.....
5,829.33	8,185.58	2,081.89	2,477.87	16,015.03	2,546.44	18,251.44
4,668.10	6,327.92	3,549.88	4,097.70	27,119.65	1,914.97	6,692.95
660.00	.....	.....	2,287.50	21,025.00	.....	19.41
3,290.00	3,975.00	1,894.00	2,088.00	10,039.00	2,517.00	6,659.00
.....
56,082.23	62,417.50	21,451.10	26,003.65	144,421.93	34,617.62	228,342.73
7,296.98	14,327.72	4,769.73	6,967.92	51,085.78	5,028.47	23,025.81
638	660	420	438	2,039	344	1,304

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Highgate	Holstein	Huntsville	Ingersoll	Iroquois
Population.....	367	168	3,177	6,852	1,170
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	27,676.65	11,675.77	153,310.37	493,543.63	40,633.32
Accumulated depreciation.....	9,175.65	2,193.13	32,284.22	82,274.77	10,561.84
Net fixed assets.....	18,501.00	9,482.64	121,026.15	411,268.86	30,071.48
CURRENT ASSETS					
Cash on hand and in bank.....	2,608.20	1,683.82	25,605.79	100.00	9,310.99
Investment in government securities..	3,000.00	1,000.00	10,000.00	.....	16,000.00
Accounts receivable.....	257.05	.....	4,499.82	2,730.93	332.47
Total current assets.....	5,865.25	2,683.82	40,105.61	2,830.93	25,643.46
OTHER ASSETS					
Inventory of stores.....	.....	.....	6,459.69	11,487.74	448.69
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	1,642.75	.....	4,023.31	29,148.92	.....
Total other assets.....	1,642.75	.....	10,483.00	40,636.66	448.69
Equity in Ontario Hydro systems.....	28,442.14	8,746.78	225,446.33	597,519.47	25,649.42
Total.....	54,451.14	20,913.24	397,061.09	1,052,255.92	81,813.05
LIABILITIES					
Debentures outstanding.....	.....	.....	.....	62,528.25	.....
Accounts payable.....	3,889.18	.....	1,847.20	5,322.29	95.06
Other.....	130.00	42.60	1,831.30	26,322.35	1,287.46
Total liabilities.....	4,019.18	42.60	3,678.50	94,172.89	1,382.52
RESERVES					
Equity in Ontario Hydro systems.....	28,442.14	8,746.78	225,446.33	597,519.47	25,649.42
Other.....	.....	.....	.....	20.08	5,090.00
Total reserves.....	28,442.14	8,746.78	225,446.33	597,539.55	30,739.42
CAPITAL					
Debentures redeemed.....	5,000.00	2,762.05	15,697.39	97,271.75	.....
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	17,357.15	9,361.81	152,238.87	263,271.73	49,691.11
Frequency standardization expense charged this year.....	367.33	.....	.....	.....	.....
Total capital.....	21,989.82	12,123.86	167,936.26	360,543.48	49,691.11
Total.....	54,451.14	20,913.24	397,061.09	1,052,255.92	81,813.05
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	10,462.87	4,259.77	130,663.62	270,994.19	39,518.47
Street lighting.....	856.68	343.45	4,787.76	9,183.23	1,691.38
Other.....	165.49	31.86	660.96	2,304.45	560.31
Total revenue.....	11,485.04	4,635.08	136,112.34	282,481.87	41,770.16
EXPENSE					
Power purchased.....	7,210.64	3,137.64	98,563.16	176,968.35	25,437.97
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	555.76	445.18	12,540.06	22,913.71	2,966.68
Administration.....	769.11	533.85	9,046.31	27,295.19	6,186.63
Fixed charges—interest and principal..	167.14	.....	.....	6,067.43	.....
—depreciation.....	511.00	314.00	4,137.00	12,408.00	1,168.00
—other.....	.....	.....	59.35	.....	.....
Total expense.....	9,213.65	4,430.67	124,345.88	245,652.68	35,759.28
Net income or net expense.....	2,271.39	204.41	11,766.46	36,829.19	6,010.88
Number of customers.....	156	91	1,182	2,289	360

Statements for the Year Ended December 31, 1957

Jarvis	Kemptville	Kincardine	Kingston	Kingsville	Kirkfield	Kitchener
707	1,748	2,644	46,239	2,988	211	62,076
\$	\$	\$	\$	\$	\$	\$
51,568.99	96,372.91	186,815.68	3,793,166.09	193,969.13	18,170.74	6,901,240.36
13,971.10	21,282.90	45,564.01	960,008.80	44,560.97	3,208.09	1,142,936.72
37,597.89	75,090.01	141,251.67	2,833,157.29	149,408.16	14,962.65	5,758,303.64
7,862.81	11,214.20	23,201.55	441,626.05	15,866.80	309.64	66,406.43
.....	12,000.00	32,000.00	180,000.00	38,500.00	3,000.00	150,000.00
165.66	3,199.66	1,284.06	369,382.78	1,597.61	134.23	284,613.69
8,028.47	26,413.86	56,485.61	991,008.83	55,964.41	3,443.87	501,020.12
.....	11,420.26	72.85	218,388.01	447.30	.....	247,160.06
1,500.00	.....	.....	248,305.65	262.21	1,000.00	1,736.78
1,500.00	11,420.26	72.85	466,693.66	709.51	1,000.00	248,896.84
46,469.08	84,992.06	162,687.02	1,252,423.72	147,273.16	9,843.25	4,571,741.97
93,595.44	197,916.19	360,497.15	5,543,283.50	353,355.24	29,249.77	11,079,962.57
.....	.....	.....	1,023,500.00	.....	.....	964,500.00
32.47	44.50	1,016.42	265,531.55	188.10	2,400.00	232,174.29
.....	658.48	819.32	90,847.45	3,579.75	6.00	32,916.88
32.47	702.98	1,835.74	1,379,879.00	3,767.85	2,406.00	1,229,591.17
46,469.08	84,992.06	162,687.02	1,252,423.72	147,273.16	9,843.25	4,571,741.97
.....	1,122.82	39.62	111,782.92	388.66	200.00	193,879.92
46,469.08	86,114.88	162,726.64	1,364,206.64	147,661.82	10,043.25	4,765,621.89
10,500.00	19,506.62	60,000.00	296,339.08	33,500.00	5,765.89	1,372,650.00
.....
36,593.89	91,591.71	135,934.77	2,502,858.78	170,574.61	11,034.63	3,841,892.03
.....	.....	.....	.....	2,149.04	.....	129,792.52
47,093.89	111,098.33	195,934.77	2,799,197.86	201,925.57	16,800.52	5,084,749.51
93,595.44	197,916.19	360,497.15	5,543,283.50	353,355.24	29,249.77	11,079,962.57
16,221.58	69,275.07	101,101.69	1,643,039.09	93,224.16	5,528.26	3,022,497.82
744.16	1,983.04	4,671.93	37,644.48	4,743.20	402.92	112,201.68
3.93	805.31	1,352.67	22,072.84	2,600.73	95.70	38,792.51
16,969.67	72,063.42	107,126.29	1,702,756.41	100,568.09	6,026.88	3,173,492.01
12,555.76	45,247.42	70,457.30	1,034,964.22	55,149.97	3,156.73	1,780,160.67
.....
252.41	8,113.35	12,222.26	177,431.48	12,736.79	1,070.83	358,559.02
1,326.49	5,237.74	5,390.77	215,223.96	11,311.80	478.92	174,283.07
.....	.....	.....	35,737.32	.....	38.62	194,174.14
1,514.00	2,662.00	5,197.00	60,872.32	5,414.00	483.00	145,614.00
.....	.....	.....	7,749.79	.....	.....	.....
15,648.66	61,260.51	93,267.33	1,531,979.09	84,612.56	5,228.10	2,652,790.90
1,321.01	10,802.91	13,858.96	170,777.32	15,955.53	798.78	520,701.11
255	698	1,148	14,818	1,201	97	19,701

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Lakefield	Lambeth	Lanark	Lancaster	La Salle
Population.....	1,970	1,579	915	622	2,830
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	116,526.72	73,899.80	37,070.02	23,820.31	160,807.27
Accumulated depreciation.....	32,395.34	15,053.64	5,257.87	7,341.58	30,325.48
Net fixed assets.....	84,131.38	58,846.16	31,812.15	16,478.73	130,481.79
CURRENT ASSETS					
Cash on hand and in bank.....	11,221.87	11,900.57	3,921.08	2,424.88	14,617.09
Investment in government securities..	65,000.00	.....	20,000.00	9,500.00	.....
Accounts receivable.....	595.66	2,110.55	101.46	1,122.89	7,590.71
Total current assets.....	76,817.53	14,011.12	24,022.54	13,047.77	22,207.80
OTHER ASSETS					
Inventory of stores.....	5,393.37	.....	.....	.....	303.78
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	38.63	121.62	.....	.....	.....
Total other assets.....	5,432.00	121.62	.....	.....	303.78
Equity in Ontario Hydro systems.....	68,527.20	41,130.71	23,276.17	18,824.71	64,737.83
Total.....	234,908.11	114,109.61	79,110.86	48,351.21	217,731.20
LIABILITIES					
Debentures outstanding.....	.....	17,234.22	.....	.....	.....
Accounts payable.....	108.71	832.68	.....	443.61	.....
Other.....	789.53	942.00	198.65	447.86	2,232.10
Total liabilities.....	898.24	19,008.90	198.65	891.47	2,232.10
RESERVES					
Equity in Ontario Hydro systems....	68,527.20	41,130.71	23,276.17	18,824.71	64,737.83
Other.....	640.00	54.18	.....	.....	500.00
Total reserves.....	69,167.20	41,184.89	23,276.17	18,824.71	65,237.83
CAPITAL					
Debentures redeemed.....	33,500.00	15,265.78	7,316.57	8,916.82	15,500.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds... ..	131,342.67	38,650.04	48,319.47	19,718.21	134,761.27
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	164,842.67	53,915.82	55,636.04	28,635.03	150,261.27
Total.....	234,908.11	114,109.61	79,110.86	48,351.21	217,731.20
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	51,348.34	42,444.48	14,511.24	11,147.58	77,472.72
Street lighting.....	2,020.83	1,967.00	726.32	589.85	2,582.77
Other.....	2,007.60	75.58	826.61	461.41	223.62
Total revenue.....	55,376.77	44,487.06	16,064.17	12,198.84	80,279.11
EXPENSE					
Power purchased.....	38,534.85	28,421.48	9,637.32	7,165.75	40,642.61
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	5,105.66	1,784.93	1,026.39	1,359.65	6,355.77
Administration.....	7,707.24	3,325.23	1,267.83	1,712.43	7,708.85
Fixed charges—interest and principal..	34.02	2,689.66	.....	.....	.....
—depreciation.....	3,745.00	1,955.00	896.00	435.00	3,959.00
—other.....	.....	50.00	.....	.....	500.00
Total expense.....	55,126.77	38,226.30	12,827.54	10,672.83	59,166.23
Net income or net expense.....	250.00	6,260.76	3,236.63	1,526.01	21,112.88
Number of customers.....	680	521	314	202	821

Statements for the Year Ended December 31, 1957

Leamington	Lindsay	Listowel	London	London Twp.	Long Branch	L'Original
8,316	10,331	3,438	98,318	34,181	10,532	1,050
\$ 464,481.81 112,692.47	\$ 820,238.23 168,590.00	\$ 330,605.75 100,717.82	\$ 8,218,103.00 2,208,889.52	\$ 121,663.95 25,986.09	\$ 513,927.70 36,717.76	\$ 66,936.29 17,466.64
351,789.34	651,648.23	229,887.93	6,009,213.48	95,677.86	477,209.94	49,469.65
36,160.39	932.42	27,534.68	474,281.54	21,813.37	11,175.49	10,395.00
2,000.00	.....	20,000.00	306,500.00	.....	3,000.00	.....
10,361.99	5,447.16	602.96	406,641.20	770.94	6,180.77	12.81
48,522.38	6,379.58	48,137.64	1,187,422.74	22,584.31	20,356.26	10,407.81
20,836.33	14,619.47	482.09	301,975.17	.....	.....	.....
79.47	.....	452.82	4,772.74	236.87	.....	1,075.41
20,915.80	14,619.47	934.91	306,747.91	236.87	.....	1,075.41
368,662.56	469,482.26	276,956.98	7,533,991.67	94,560.13	222,162.98	3,209.31
789,890.08	1,142,129.54	555,917.46	15,037,375.80	213,059.17	719,729.18	64,162.18
32,000.00	.....	55,591.20	500,000.00	25,812.07	.....	23,000.00
630.90	49.83	1,544.92	519,287.43	444.67	73,261.71	.....
8,573.15	7,385.60	1,392.04	84,239.02	1,265.12	13,175.49	200.00
41,204.05	7,435.43	58,528.16	1,103,526.45	27,521.86	86,437.20	23,200.00
368,662.56	469,482.26	276,956.98	7,533,991.67	94,560.13	222,162.98	3,209.31
24.00	.....	2,987.38	264,457.27	963.12	1,147.26	.....
368,686.56	469,482.26	279,944.36	7,798,448.94	95,523.25	223,310.24	3,209.31
54,000.00	130,000.00	57,598.69	1,731,900.00	26,187.93	40,304.60	5,000.00
325,999.47	535,211.85	159,846.25	4,422,667.08	63,826.13	369,677.14	32,752.87
.....	.....	.....	19,166.67	.....	.....	.....
379,999.47	665,211.85	217,444.94	6,135,400.41	90,014.06	409,981.74	37,752.87
789,890.08	1,142,129.54	555,917.46	15,037,375.80	213,059.17	719,729.18	64,162.18
271,271.60	415,073.17	149,800.13	3,439,144.46	77,964.92	321,057.68	22,173.79
11,405.92	7,862.01	5,143.85	130,794.74	1,998.78	8,711.16	1,196.33
1,757.47	3,554.66	1,094.87	74,606.82	417.02	516.15	148.07
284,434.99	426,489.84	156,038.85	3,644,546.02	80,380.72	330,284.99	23,518.19
181,802.46	223,826.98	95,452.25	2,078,718.36	51,080.44	221,855.85	8,937.08
20,615.94	50,008.89	11,256.54	411,752.04	7,129.91	18,361.77	2,144.66
25,553.77	33,141.90	10,426.26	280,177.88	6,792.97	26,065.82	2,202.44
3,530.00	3,103.37	6,517.97	45,443.96	3,017.10	2,554.97	2,200.00
12,608.00	20,579.00	9,636.00	144,259.00	3,492.00	9,780.00	1,904.00
244,110.17	330,660.14	133,289.02	2,960,351.24	71,512.42	278,618.41	17,388.18
40,324.82	95,829.70	22,749.83	684,194.78	8,868.30	51,666.58	6,130.01
2,981	3,590	1,406	30,896	940	3,912	316

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Lucan	Lucknow	Lynden	Madoc	Magnetawan
Population.....	910	920	503	1,440	253
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	61,735.21	76,179.56	29,257.74	113,168.78	23,132.35
Accumulated depreciation.....	18,139.81	10,080.65	8,042.05	23,042.81	4,764.53
Net fixed assets.....	43,595.40	66,098.91	21,215.69	90,125.97	18,367.82
CURRENT ASSETS					
Cash on hand and in bank.....	2,039.93	14,799.15	1,217.36	25,139.14	6,201.76
Investment in government securities...	5,500.00	9,000.00	3,000.00	7,000.00	4,000.00
Accounts receivable.....	162.96	808.19	854.14	1,448.25	16.84
Total current assets.....	7,702.89	24,607.34	5,071.50	33,587.39	10,218.60
OTHER ASSETS					
Inventory of stores.....				4,242.99	
Sinking fund on local debentures.....					
Miscellaneous.....	33.70	40.00			150.00
Total other assets.....	33.70	40.00		4,242.99	150.00
Equity in Ontario Hydro systems.....	58,720.59	71,936.69	36,586.87	44,002.04	1,558.28
Total.....	110,052.58	162,682.94	62,874.06	171,958.39	30,294.70
LIABILITIES					
Debentures outstanding.....					19,200.00
Accounts payable.....	4.42	3,704.42	772.11	9,356.66	404.11
Other.....	661.01	5.00	17.32	900.27	
Total liabilities.....	665.43	3,709.42	789.43	10,256.93	19,604.41
RESERVES					
Equity in Ontario Hydro systems....	58,720.59	71,936.69	36,586.87	44,002.04	1,558.28
Other.....		280.13			
Total reserves.....	58,720.59	72,216.82	36,586.87	44,002.04	1,558.28
CAPITAL					
Debentures redeemed.....	11,213.62	17,614.08	4,495.00	14,000.00	4,800.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds....	39,452.94	69,142.62	21,002.76	103,699.42	4,332.31
Frequency standardization expense charged this year.....					
Total capital.....	50,666.56	86,756.70	25,497.76	117,699.42	9,132.31
Total.....	110,052.58	162,682.94	62,874.06	171,958.39	30,294.70
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	30,799.36	28,638.91	13,274.14	45,844.09	6,833.43
Street lighting.....	1,464.36	2,213.86	581.81	3,451.89	513.76
Other.....	286.14	262.08	275.03	704.67	169.68
Total revenue.....	32,549.86	31,114.85	14,130.98	50,000.65	7,516.87
EXPENSE					
Power purchased.....	21,399.19	20,645.68	8,995.98	27,031.55	3,077.04
Local generation.....					
Operation and maintenance.....	1,668.06	1,968.30	1,196.26	3,536.63	515.18
Administration.....	2,026.32	3,253.00	1,092.55	4,481.17	501.27
Fixed charges—interest and principal..	70.39				2,016.00
—depreciation.....	1,877.00	1,856.00	847.00	2,960.00	562.00
—other.....					
Total expense.....	27,040.96	27,722.98	12,131.79	38,009.35	6,671.49
Net income or net expense.....	5,508.90	3,391.87	1,999.19	11,991.30	845.38
Number of customers.....	344	453	160	568	100

Statements for the Year Ended December 31, 1957

Markdale	Markham	Marmora	Martintown	Maxville	Meaford	Merlin
915	3,520	1,374	440	843	3,565	520
\$ 55,545.92 8,761.24	\$ 220,101.44 31,679.90	\$ 71,779.39 25,603.44	\$ 20,254.13 4,508.11	\$ 51,921.22 8,160.76	\$ 229,843.13 43,883.32	\$ 56,545.29 16,490.68
46,784.68	188,421.54	46,175.95	15,746.02	43,760.46	185,959.81	40,054.61
11,140.39	8,592.52	1,804.24	6,943.71	6,089.48	23,653.17	6,535.95
291.72	2,595.09	3,000.00 215.07	1,500.00 1,283.00	1,500.00 491.86	440.44	675.53
11,432.11	11,187.61	5,019.31	8,226.71	8,081.34	24,093.61	7,211.48
101.27		1,633.52			6,728.16	454.79
101.27					3,698.62	3,194.44
39,536.61	82,684.63	1,633.52 29,408.17	8,298.34	32,365.13	10,426.78 141,471.12	3,649.23 33,648.46
97,854.67	282,293.78	82,236.95	32,271.07	84,206.93	361,951.32	84,563.78
3,008.05 416.85	25,200.10 35,478.76 785.00	636.10 100.00	137.00 135.48	527.07 4,727.90	2,729.25 125.00	
3,424.90	61,463.86	955.00	736.10	272.48	5,254.97	2,854.25
39,536.61	82,684.63 355.35	29,408.17	8,298.34 81.02	32,365.13 295.87	141,471.12 100.50	33,648.46 13.58
39,536.61	83,039.98	29,408.17	8,379.36	32,661.00	141,571.17	33,662.04
6,370.29	14,173.53	15,091.58	5,346.73	13,642.40	47,724.76	13,122.36
48,522.87	123,616.41	36,782.20	17,808.88	37,631.05	167,400.42	34,925.13
54,893.16	137,789.94	51,873.78	23,155.61	51,273.45	215,125.18	48,047.49
97,854.67	282,293.78	82,236.95	32,271.07	84,206.93	361,951.32	84,563.78
27,696.76 1,674.93 4.18	111,566.85 2,844.90 127.67	37,719.20 1,371.06 300.19	8,744.92 265.09 18.08	21,779.04 1,184.60 211.35	113,539.78 4,626.09 1,426.03	16,023.55 725.46 2,783.35
29,375.87	114,539.42	39,390.45	9,028.09	23,174.99	119,591.90	19,532.36
20,370.82	70,605.02	24,036.46	4,470.33	13,926.37	80,515.61	10,147.99
2,859.32	6,262.67	4,633.23	219.82	2,177.13	10,093.12	1,321.00
1,669.19	6,884.20	2,832.48	654.42	1,128.52	10,202.31	4,450.14
1,403.00	4,377.79 5,257.00	1,404.00	556.00	1,310.00	5,929.00	1,650.00
26,302.33	93,386.68	32,906.17	5,900.57	18,542.02	106,740.04	17,569.13
3,073.54	21,152.74	6,484.28	3,127.52	4,632.97	12,851.86	1,963.23
407	1,109	489	120	300	1,470	241

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Merrickville	Merritton	Midland	Mildmay	Millbrook
Population.....	890	5,557	8,255	815	766
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	66,121.44	464,974.88	561,189.14	39,493.75	38,066.81
Accumulated depreciation.....	5,681.79	71,867.41	217,805.54	4,400.37	9,484.21
Net fixed assets.....	60,439.65	393,107.47	343,383.60	35,093.38	28,582.60
CURRENT ASSETS					
Cash on hand and in bank.....	1,596.18	54,880.25	34,694.13	2,003.58	16,085.98
Investment in government securities.....		87,000.00	190,000.00	13,000.00	11,000.00
Accounts receivable.....	4,543.27	2,139.06	18,930.24	31.20	312.62
Total current assets.....	6,139.45	144,019.31	243,624.37	15,034.78	27,398.60
OTHER ASSETS					
Inventory of stores.....		20,638.80	9,009.92		556.27
Sinking fund on local debentures.....					
Miscellaneous.....		181.17	8,029.29		11,152.00
Total other assets.....		20,819.97	17,039.21		11,708.27
Equity in Ontario Hydro systems.....	8,526.52	936,185.63	699,835.04	21,843.48	14,561.65
Total	75,105.62	1,494,132.38	1,303,882.22	71,971.64	82,251.12
LIABILITIES					
Debentures outstanding.....	18,100.00				
Accounts payable.....	1,229.23	2,333.07	150.00		11,248.18
Other.....	730.00	2,342.23	2,481.86	220.73	505.79
Total liabilities.....	20,059.23	4,675.30	2,631.86	220.73	11,753.97
RESERVES					
Equity in Ontario Hydro systems.....	8,526.52	936,185.63	699,835.04	21,843.48	14,561.65
Other.....			1,302.06		
Total reserves.....	8,526.52	936,185.63	701,137.10	21,843.48	14,561.65
CAPITAL					
Debentures redeemed.....	6,900.00	32,186.21	111,944.99	12,303.50	9,000.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	39,619.87	527,853.58	488,168.27	37,603.93	46,935.50
Frequency standardization expense charged this year.....		6,768.34			
Total capital.....	46,519.87	553,271.45	600,113.26	49,907.43	55,935.50
Total	75,105.62	1,494,132.38	1,303,882.22	71,971.64	82,251.12
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	22,410.50	670,805.93	296,016.60	19,292.01	23,123.49
Street lighting.....	2,046.84	2,733.85	7,572.28	1,087.09	1,091.40
Other.....	90.40	4,151.76	5,530.84	499.09	514.21
Total revenue	24,547.74	677,691.54	309,119.72	20,878.19	24,729.10
EXPENSE					
Power purchased.....	13,043.72	560,024.37	184,415.58	14,260.32	13,027.09
Local generation.....					
Operation and maintenance.....	1,957.94	26,240.89	29,203.51	3,044.84	1,649.35
Administration.....	2,406.88	24,373.47	14,506.96	1,675.69	2,929.52
Fixed charges—interest and principal.....	1,772.00				
—depreciation.....	1,397.00	10,799.00	11,675.00	912.00	1,067.00
—other.....					
Total expense	20,577.54	621,437.73	239,801.05	19,892.85	18,672.96
Net income or net expense	3,970.20	56,253.81	69,318.67	985.34	6,056.14
Number of customers.....	344	1,634	2,649	306	313

Statements for the Year Ended December 31, 1957

Milton 4,497	Milverton 1,082	Mimico 13,838	Mitchell 2,159	Moorefield 309	Morrisburg 2,145	Mount Brydges 832
\$ 396,206.57 63,606.80	\$ 71,384.66 13,764.56	\$ 786,377.56 164,003.44	\$ 204,764.99 48,621.50	\$ 19,727.56 4,633.60	\$ 107,396.17 11,103.27	\$ 44,871.51 7,677.77
332,599.77	57,620.10	622,374.12	156,143.49	15,093.96	96,292.90	37,193.74
29,339.52	18,625.57	63,084.77	21,938.13	1,076.32	16,094.14	301.44
.....	.....	115,000.00	8,000.00	1,000.00	11,000.00	1,000.00
2,290.31	297.21	10,236.37	3,131.94	187.05	2,284.11	1,391.93
31,629.83	18,922.78	188,321.14	33,070.07	2,263.37	29,378.25	2,693.37
4,385.42	134.00	2,271.61	8,529.91	.....	5,150.01	.....
.....
29.19	445.00	547.62	120.19	20.25	.....	181.17
4,414.61	579.00	2,819.23	8,650.10	20.25	5,150.01	181.17
325,735.55	123,502.34	502,829.45	152,670.67	19,927.34	40,059.97	25,643.56
694,379.76	200,624.22	1,316,343.94	350,534.33	37,304.92	170,881.13	65,711.84
82,967.78	13,500.00	97,500.00	19,500.00	.....	.....	.....
4,379.07	2,996.43	2,176.49	531.46	322.04	779.21	2,860.68
4,214.03	.....	27,018.54	1,102.76	2.22	2,768.87	161.45
91,560.88	16,496.43	126,695.03	21,134.22	324.26	3,548.08	3,022.13
325,735.55	123,502.34	502,829.45	152,670.67	19,927.34	40,059.97	25,643.56
2,019.69	138.43	5,507.71	1,177.58	.....	.....	94.03
327,755.24	123,640.77	508,337.16	153,848.25	19,927.34	40,059.97	25,737.59
44,078.63	11,000.00	154,500.00	27,795.22	4,500.00	31,636.00	4,220.00
.....
230,985.01	49,487.02	526,811.75	147,756.64	12,553.32	95,637.08	32,732.12
.....
275,063.64	60,487.02	681,311.75	175,551.86	17,053.32	127,273.08	36,952.12
694,379.76	200,624.22	1,316,343.94	350,534.33	37,304.92	170,881.13	65,711.84
231,545.74	47,495.74	393,883.05	92,624.83	8,165.06	66,047.10	16,507.21
8,523.20	2,197.97	12,390.24	3,661.41	691.08	4,247.38	1,123.46
711.04	197.17	12,775.74	1,468.14	32.96	3,802.57	57.71
240,779.98	49,890.88	419,049.03	97,754.38	8,889.10	74,097.05	17,688.38
147,831.39	32,875.02	249,075.07	54,530.98	6,636.47	41,281.93	11,180.51
.....	.....	.....	.....	.....	1,760.11	.....
10,004.48	3,322.10	41,016.11	9,809.54	301.29	8,078.03	3,231.05
18,965.38	3,534.31	40,173.54	12,993.14	489.60	8,751.22	2,177.54
7,374.10	1,127.18	9,241.15	1,824.83	1.00	.....	.....
9,363.00	1,839.00	19,735.00	5,252.00	548.00	2,397.00	1,174.00
367.00	.....	.....	.....	.....	.....	.....
193,905.35	42,697.61	359,240.87	84,410.49	7,976.36	62,268.29	17,763.10
46,874.63	7,193.27	59,808.16	13,343.89	912.74	11,828.76	74.72
1,522	445	4,895	869	131	874	333

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Mount Forest 2,424	Napanee 4,362	Neustadt 479	Newboro 305	Newburgh 577
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	118,063.97	259,698.87	35,058.81	27,840.08	40,258.89
Accumulated depreciation.....	29,846.41	54,944.09	11,837.56	3,724.29	14,922.40
Net fixed assets.....	88,217.56	204,754.78	23,221.25	24,115.79	25,336.49
CURRENT ASSETS					
Cash on hand and in bank.....	35,687.77	29,321.52	2,997.35	434.00	3,873.64
Investment in government securities.....	20,000.00	40,000.00	21,200.00	5,000.00	3,000.00
Accounts receivable.....	1,816.94	10,464.92	82.30	326.28	271.70
Total current assets.....	57,504.71	79,786.44	24,279.65	5,760.28	7,145.34
OTHER ASSETS					
Inventory of stores.....	1,928.00	8,367.82	.....	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	.....	.....	.....	113.22
Total other assets.....	1,928.00	8,367.82	.....	.....	113.22
Equity in Ontario Hydro systems.....	122,814.60	197,586.34	20,209.08	1,967.06	4,598.03
Total.....	270,464.87	490,495.38	67,709.98	31,843.13	37,193.08
LIABILITIES					
Debentures outstanding.....	.....	.....	.....	11,374.08	6,150.00
Accounts payable.....	512.11	2.55	.....	1,512.15	192.89
Other.....	185.00	4,347.97	223.85	114.00	181.00
Total liabilities.....	697.11	4,350.52	223.85	13,000.23	6,523.89
RESERVES					
Equity in Ontario Hydro systems.....	122,814.60	197,586.34	20,209.08	1,967.06	4,598.03
Other.....	.....	.....	.....	.....	.....
Total reserves.....	122,814.60	197,586.34	20,209.08	1,967.06	4,598.03
CAPITAL					
Debentures redeemed.....	21,626.63	70,000.00	15,504.12	5,625.92	7,850.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	125,326.53	218,558.52	31,772.93	11,249.92	18,221.16
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	146,953.16	288,558.52	47,277.05	16,875.84	26,071.16
Total.....	270,464.87	490,495.38	67,709.98	31,843.13	37,193.08
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	77,011.32	161,999.23	12,469.77	6,040.99	14,841.27
Street lighting.....	3,120.95	3,871.35	736.92	494.28	436.24
Other.....	1,118.13	9,285.03	710.69	199.57	94.94
Total revenue.....	81,250.40	175,155.61	13,917.38	6,734.84	15,372.45
EXPENSE					
Power purchased.....	53,111.67	109,232.48	8,432.71	2,434.16	7,677.10
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	7,085.32	13,766.46	813.38	532.60	975.93
Administration.....	5,556.58	24,654.04	1,691.11	785.82	1,750.89
Fixed charges—interest and principal.....	.....	.....	1.92	1,234.02	1,385.00
—depreciation.....	3,406.00	6,788.00	1,122.00	646.00	813.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	69,159.57	154,440.98	12,061.12	5,632.60	12,601.92
Net income or net expense.....	12,090.83	20,714.63	1,856.26	1,102.24	2,770.53
Number of customers.....	927	1,621	200	130	180

Statements for the Year Ended December 31, 1957

Newbury 318	Newcastle 1,015	New Hamburg 2,018	Newmarket 7,500	New Toronto 10,080	Niagara 2,723	Niagara Falls 23,852
\$ 17,493.49 8,853.23	\$ 79,496.37 38,347.06	\$ 131,520.05 23,879.08	\$ 457,817.54 91,984.56	\$ 801,665.22 130,144.64	\$ 217,015.51 32,590.03	\$ 1,761,178.35 451,294.96
8,640.26	41,149.31	107,640.97	365,832.98	671,520.58	184,425.48	1,309,883.39
5,209.07	11,936.50	9,149.05	8,027.26	109,229.38	7,516.84	147,963.34
6,500.00	10,500.00	.....	.....	30,000.00	10,000.00	55,000.00
210.64	179.95	1,294.56	7,875.94	13,075.51	2,595.14	39,681.14
11,919.71	22,616.45	10,443.61	15,903.20	152,304.89	20,111.98	242,644.48
.....	2,233.60	1,845.38	23.73	14,109.72	15,662.05	68,977.68
.....
1,620.76	.....	42.00	119.13	820.99	.....	1,789.60
1,620.76	2,233.60	1,887.38	142.86	14,930.71	15,662.05	70,767.28
13,685.46	28,156.77	152,483.96	130,905.45	1,657,749.80	123,135.50	1,856,331.37
35,866.19	94,156.13	272,455.92	512,784.49	2,496,505.98	343,335.01	3,479,626.52
.....	.....	13,000.00	71,439.51	.....	27,828.82	.....
.....	62.31	71.09	1,129.09	64,039.96	137.26	141.73
114.24	.....	227.50	3,743.42	11,920.07	2,565.21	42,623.65
114.24	62.31	13,298.59	76,312.02	75,960.03	30,531.29	42,765.38
13,685.46	28,156.77	152,483.96	130,905.45	1,657,749.80	123,135.50	1,856,331.37
.....	.....	33.83	3,804.52	1,301.50	479.26	180.00
13,685.46	28,156.77	152,517.79	134,709.97	1,659,051.30	123,614.76	1,856,511.37
9,754.39	14,000.00	19,729.08	23,560.49	8,000.00	52,678.85	690,243.00
.....
12,312.10	51,937.05	87,028.06	278,202.01	753,494.65	136,510.11	890,106.77
.....	.....	117.60	.....	.....	.....	.....
22,066.49	65,937.05	106,639.54	301,762.50	761,494.65	189,188.96	1,580,349.77
35,866.19	94,156.13	272,455.92	512,784.49	2,496,505.98	343,335.01	3,479,626.52
5,784.41	38,023.54	70,614.14	262,928.15	795,752.34	96,577.13	916,005.19
391.90	1,621.78	2,478.61	8,925.91	13,164.12	3,852.73	38,094.80
280.59	476.00	342.86	783.95	7,906.74	454.62	2,511.26
6,456.90	40,121.32	73,435.61	272,638.01	816,823.20	100,884.48	956,611.25
4,343.78	20,578.74	43,797.89	177,517.39	682,681.97	68,167.15	574,771.57
.....
730.07	4,861.47	8,106.39	19,572.02	25,971.69	10,656.66	126,455.19
484.59	4,554.68	3,959.32	15,058.72	35,395.52	7,199.81	67,103.51
.....	1.15	1,437.94	6,429.11	.....	2,625.73	.....
427.00	1,165.00	3,195.00	11,950.00	19,787.00	5,345.00	49,570.00
.....
5,985.44	31,161.04	60,496.54	230,527.24	763,836.18	93,994.35	817,900.27
471.46	8,960.28	12,939.07	42,110.77	52,987.02	6,890.13	138,710.98
127	434	676	2,445	3,431	1,055	7,467

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	North York Twp.	Norwich	Norwood	Oakville	Oil Springs
Population.....	182,942	1,650	1,000	10,147	480
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	13,798,811.62	76,687.53	93,176.03	1,054,905.74	50,255.43
Accumulated depreciation.....	1,426,128.06	22,643.03	20,663.79	173,910.69	18,671.55
Net fixed assets.....	12,372,683.56	54,044.50	72,512.24	880,995.05	31,583.88
CURRENT ASSETS					
Cash on hand and in bank.....	538,909.45	9,887.60	12,602.07	82,927.95	8,342.36
Investment in government securities..	10,000.00	7,500.00	5,000.00	.....	11,000.00
Accounts receivable.....	157,044.14	1,093.82	2,175.79	24,753.12	44.44
Total current assets.....	705,953.59	18,481.42	19,777.86	107,681.07	19,386.80
OTHER ASSETS					
Inventory of stores.....	473,876.27	6,002.21	.....	45,202.40	413.60
Sinking fund on local debentures.....	115,423.67	.....	.....	.....	.....
Miscellaneous.....	11,662.64	8,363.07	1,635.62	1,487.89	125.41
Total other assets.....	600,962.58	14,365.28	1,635.62	46,690.29	539.01
Equity in Ontario Hydro systems.....	2,358,146.18	111,474.32	29,515.79	156,621.41	63,301.60
Total.....	16,037,745.91	198,365.52	123,441.51	1,191,987.82	114,811.29
LIABILITIES					
Debentures outstanding.....	6,962,080.93	.....	6,000.00	372,000.00	.....
Accounts payable.....	54,261.31	7,935.84	2,383.55	42,194.90	195.56
Other.....	227,774.64	1,260.00	772.87	22,964.07	35.00
Total liabilities.....	7,244,116.88	9,195.84	9,156.42	437,158.97	230.56
RESERVES					
Equity in Ontario Hydro systems.....	2,358,146.18	111,474.32	29,515.79	156,621.41	63,301.60
Other.....	214,527.75	77.18	.....	15,946.09	.....
Total reserves.....	2,572,673.93	111,551.50	29,515.79	172,567.50	63,301.60
CAPITAL					
Debentures redeemed.....	1,779,279.94	13,756.00	49,100.00	54,000.00	16,721.31
Local sinking fund.....	115,423.67	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	4,326,251.49	63,862.18	35,669.30	528,261.35	34,557.82
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	6,220,955.10	77,618.18	84,769.30	582,261.35	51,279.13
Total.....	16,037,745.91	198,365.52	123,441.51	1,191,987.82	114,811.29
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	6,599,917.21	54,477.96	30,045.21	482,565.76	14,390.16
Street lighting.....	120,424.39	2,490.83	2,083.02	14,989.46	775.78
Other.....	29,572.67	343.69	378.94	5,400.73	1,527.67
Total revenue.....	6,749,914.27	57,312.48	32,507.17	502,955.95	16,693.61
EXPENSE					
Power purchased.....	3,887,466.98	35,494.68	17,877.66	295,978.84	9,090.63
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	401,247.46	8,924.74	2,844.70	27,084.19	922.31
Administration.....	484,069.68	4,897.92	2,271.65	43,427.88	2,483.76
Fixed charges—interest and principal.....	601,516.01	.....	1,280.00	35,525.00	.....
—depreciation.....	293,640.00	2,170.00	2,569.00	25,520.00	1,018.00
—other.....	2,000.00	.....	.....	.....	.....
Total expense.....	5,672,940.13	51,487.34	26,843.01	427,535.91	13,514.75
Net income or net expense.....	1,076,974.14	5,825.14	5,664.16	75,420.04	3,178.86
Number of customers.....	56,783	662	394	3,405	221

Statements for the Year Ended December 31, 1957

Omamee	Orangeville	Orillia	Orono	Oshawa	Ottawa	Oterville
850	4,126	13,973	751	52,143	225,738	698
\$	\$	\$	\$	\$	\$	\$
55,436.69	238,643.07	4,037,149.29	48,153.12	4,807,655.54	23,756,284.79	45,923.50
19,221.43	49,760.55	724,986.46	9,783.94	723,181.62	5,421,285.21	14,458.88
36,215.26	188,882.52	3,312,162.83	38,369.18	4,084,473.92	18,334,999.58	31,464.62
5,231.04	70.00	315.00	3,384.52	8,762.14	229,455.32	226.37
11,000.00	.....	94,899.08	10,000.00	499,894.50	543,000.00	2,000.00
189.66	1,808.66	41,250.55	270.14	204,077.10	936,533.04	180.82
16,420.70	1,878.66	136,464.63	13,654.66	712,733.74	1,708,988.36	2,407.19
996.41	8,749.24	88,753.77	1,997.94	113,442.52	420,618.95	.....
.....
.....	135.00	.....	40.00	3,760.23	13,803.53	4,061.51
996.41	8,884.24	88,753.77	2,037.94	117,202.75	434,422.48	4,061.51
16,472.92	173,266.37	41,417.28	13,214.79	2,595,107.87	3,420,848.19	29,961.40
70,105.29	372,911.79	3,578,798.51	67,276.57	7,509,518.28	23,899,258.61	67,894.72
.....	.....	958,000.00	.....	130,000.00	6,603,000.00	.....
22.20	21,365.85	27,182.42	40.21	183,968.98	592,918.55	5,225.34
181.83	2,218.00	12,199.96	260.00	68,350.67	29,513.74	223.88
204.03	23,583.85	997,382.38	300.21	382,319.65	7,225,432.29	5,449.22
16,472.92	173,266.37	41,417.28	13,214.79	2,595,107.87	3,420,848.19	29,961.40
44.72	50.00	94,899.08	.....	27,798.64	435,023.22	.....
16,517.64	173,316.37	136,316.36	13,214.79	2,622,906.51	3,855,871.41	29,961.40
12,000.00	25,594.32	1,444,000.00	8,000.00	372,622.40	3,377,000.00	4,500.00
.....
41,383.62	150,417.25	1,001,099.77	45,761.57	4,131,669.72	9,440,954.91	28,497.20
.....	.....	.....	.....	.....	.....	513.10
53,383.62	176,011.57	2,445,099.77	53,761.57	4,504,292.12	12,817,954.91	32,484.10
70,105.29	372,911.79	3,578,798.51	67,276.57	7,509,518.28	23,899,258.61	67,894.72
20,368.03	120,288.60	641,350.06	22,480.72	2,196,562.49	8,001,139.86	18,216.11
1,411.52	6,600.25	14,421.20	1,143.97	79,589.24	280,226.16	1,000.57
529.61	574.00	6,614.54	477.04	49,728.48	36,690.72	65.61
22,309.16	127,462.85	662,385.80	24,101.73	2,325,880.21	8,318,056.74	19,282.29
13,443.34	91,732.24	149,861.82	12,168.05	1,575,104.24	4,568,887.58	12,498.05
.....	.....	124,883.60	.....	.....	283,873.89	.....
3,125.98	10,229.38	90,984.58	1,901.83	119,297.86	875,623.01	842.90
2,197.68	7,532.48	74,051.69	3,972.56	144,293.56	580,922.13	1,756.18
.....	597.17	95,407.50	.....	26,130.33	525,400.33	1.17
1,084.00	6,249.00	76,004.00	1,264.00	113,464.00	621,329.00	1,406.00
.....	.....	.....	.....	.....	9,200.00	.....
19,851.00	116,340.27	611,193.19	19,306.44	1,978,289.99	7,465,235.94	16,504.30
2,458.16	11,122.58	51,192.61	4,795.29	347,590.22	852,820.80	2,777.99
292	1,534	5,038	338	16,370	76,353	276

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Owen Sound	Paisley	Palmerston	Paris	Parkhill
Population.....	17,485	757	1,545	5,698	1,036
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	1,042,121.63	59,901.24	121,146.11	433,176.23	99,896.17
Accumulated depreciation.....	168,077.03	12,530.54	39,331.91	119,621.20	13,880.09
Net fixed assets.....	874,044.60	47,370.70	81,814.20	313,555.03	86,016.08
CURRENT ASSETS					
Cash on hand and in bank.....	134,845.84	3,128.72	2,241.64	21,350.41	10,812.27
Investment in government securities..	70,000.00	8,000.00	20,600.00	.....	6,000.00
Accounts receivable.....	50,950.52	638.79	227.39	2,383.26	1,167.79
Total current assets.....	255,796.36	11,767.51	23,069.03	23,733.67	17,980.06
OTHER ASSETS					
Inventory of stores.....	48,999.14	.....	10,540.09	75.62	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	396.97	.....	160.00	40,873.21	108.53
Total other assets.....	49,396.11	.....	10,700.09	40,948.83	108.53
Equity in Ontario Hydro systems.....	876,479.55	38,147.85	135,273.32	352,063.77	66,816.97
Total.....	2,055,716.62	97,286.06	250,856.64	730,301.30	170,921.64
LIABILITIES					
Debentures outstanding.....	58,500.00	.....	.....	99,600.00	10,600.00
Accounts payable.....	36,038.34	96.54	31.20	2,521.67	3,373.59
Other.....	18,971.84	287.32	595.48	.....	302.32
Total liabilities.....	113,510.18	383.86	626.68	102,121.67	14,275.91
RESERVES					
Equity in Ontario Hydro systems.....	876,479.55	38,147.85	135,273.32	352,063.77	66,816.97
Other.....	1,522.46	.....	103.94	2,435.00	.....
Total reserves.....	878,002.01	38,147.85	135,377.26	354,498.77	66,816.97
CAPITAL					
Debentures redeemed.....	149,218.00	13,623.35	27,000.00	97,400.00	19,030.02
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	914,986.43	45,131.00	87,852.70	176,280.86	70,798.74
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	1,064,204.43	58,754.35	114,852.70	273,680.86	89,828.76
Total.....	2,055,716.62	97,286.06	250,856.64	730,301.30	170,921.64
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	562,248.11	22,160.14	51,511.61	169,659.24	40,472.09
Street lighting.....	17,824.10	1,467.56	4,253.76	11,587.42	3,155.92
Other.....	10,302.27	144.53	908.90	294.45	379.82
Total revenue.....	590,374.48	23,772.23	56,674.27	181,541.11	44,007.83
EXPENSE					
Power purchased.....	351,728.65	14,035.92	38,542.46	119,158.72	25,928.27
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	59,472.83	1,664.25	6,994.45	13,380.77	4,193.16
Administration.....	57,611.83	1,994.67	5,187.69	12,297.39	4,610.81
Fixed charges—interest and principal..	8,611.19	.....	10.11	3,904.10	1,095.50
—depreciation.....	25,411.00	1,661.00	2,278.00	12,349.00	2,399.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	502,835.50	19,355.84	53,012.71	161,089.98	38,226.74
Net income or net expense.....	87,538.98	4,416.39	3,661.56	20,451.13	5,781.09
Number of customers.....	5,921	328	609	1,910	488

Statements for the Year Ended December 31, 1957

Parry Sound 5,475	Pene- tanguishene 4,716	Perth 5,177	Peterborough 43,568	Petrolia 3,558	Picton 4,901	Plattsville 472
\$ 785,676.97 171,230.51	\$ 244,903.67 74,369.69	\$ 301,907.00 90,045.38	\$ 4,278,394.72 906,671.46	\$ 266,649.18 73,788.74	\$ 358,334.01 84,315.12	\$ 27,131.37 4,536.12
614,446.46	170,533.98	211,861.62	3,371,723.26	192,860.44	274,018.89	22,595.25
5,617.32 32,800.00 1,736.53	14,508.97 45,000.00 1,234.43	23,856.14 81,000.00 1,582.14	334,379.04 96,825.60	31,372.59 5,050.01	2,956.05 3,000.00 4,492.66	16,186.51 4,500.00 1,059.45
40,153.85	60,743.40	106,438.28	431,204.64	36,422.60	10,448.71	21,745.96
1,140.35	269.83	12,097.71	56,152.33	16,052.35	13,075.51	.....
.....	4,116.05	.....	4,060.34	244.28	.....	14,553.09
1,140.35 32,664.51	4,385.88 211,120.61	12,097.71 266,896.22	60,212.67 1,734,535.21	16,296.63 287,151.25	13,075.51 226,399.80	14,553.09 36,381.99
688,405.17	446,783.87	597,293.83	5,597,675.78	532,730.92	523,942.91	95,276.29
75,000.00 15,173.36 7,410.08	..... 32.00 1,587.50	..... ..... 4,213.64	1,078,000.00 116,726.59 3,121.06	..... 1,032.39 3,618.30	44,399.93 10,009.32 10,491.52	..... 13,000.65
97,583.44	1,619.50	4,213.64	1,197,847.65	4,650.69	64,900.77	13,000.65
32,664.51 146.19	211,120.61 913.15	266,896.22 3,445.32	1,734,535.21 1,184.04	287,151.25 13.90	226,399.80 2,465.86	36,381.99
32,810.70	212,033.76	270,341.54	1,735,719.25	287,165.15	228,865.66	36,381.99
393,500.00	36,982.95	85,045.30	681,610.67	50,000.00	18,782.39	5,237.00
.....
164,511.03	196,147.66	237,693.35	1,982,498.21	190,915.08	211,394.09	40,656.65
.....
558,011.03	233,130.61	322,738.65	2,664,108.88	240,915.08	230,176.48	45,893.65
688,405.17	446,783.87	597,293.83	5,597,675.78	532,730.92	523,942.91	95,276.29
146,192.05 6,505.67 1,351.60	114,399.38 4,326.07 2,718.64	149,509.94 7,151.30 4,384.17	1,677,475.77 62,991.49 6,744.70	113,775.12 6,121.08 1,608.11	155,102.27 5,595.56 1,451.62	25,269.74 737.40 235.53
154,049.32	121,444.09	161,045.41	1,747,211.96	121,504.31	162,149.45	26,242.67
55,225.94 29,933.81 24,629.25 19,471.32 6,393.51 14,728.00	68,182.91 12,997.71 8,625.88 7,545.00	112,960.82 12,780.93 13,347.96 5,403.00	1,041,791.68 184,073.09 109,820.95 85,938.38 112,183.00	59,335.70 18,919.56 14,174.12 8,135.00	107,327.39 15,258.90 13,996.23 7,487.05 9,869.00	20,199.78 690.83 578.59 657.00
150,381.83	97,351.50	144,492.71	1,533,807.10	100,564.38	153,938.57	22,126.20
3,667.49	24,092.59	16,552.70	213,404.86	20,939.93	8,210.88	4,116.47
1,845	1,347	1,884	13,891	1,269	1,849	190

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Point Edward	Port Burwell	Port Colborne	Port Credit	Port Dalhousie
Population.....	2,568	711	14,634	6,201	3,298
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	200,311.28	67,404.92	791,033.56	450,160.85	192,891.86
Accumulated depreciation.....	37,593.20	22,677.00	84,552.50	58,768.91	15,572.79
Net fixed assets.....	162,718.08	44,727.92	706,481.06	391,391.94	177,319.07
CURRENT ASSETS					
Cash on hand and in bank.....	55,865.22	4,118.76	21,602.11	26,111.94	7,920.93
Investment in government securities..	37,000.00	.....	10,000.00	8,500.00	.....
Accounts receivable.....	3,300.78	425.88	1,748.06	27,893.15	7,902.99
Total current assets.....	96,166.00	4,544.64	33,350.17	62,505.09	15,823.92
OTHER ASSETS					
Inventory of stores.....	1,893.23	72.90	10,470.18	4,435.71	6,138.38
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	838.93	4,990.24	290.63	.....	555.93
Total other assets.....	2,732.16	5,063.14	10,760.81	4,435.71	6,694.31
Equity in Ontario Hydro systems.....	268,528.14	6,319.05	428,099.58	197,343.54	140,247.69
Total.....	530,144.38	60,654.75	1,178,691.62	655,676.28	340,084.99
LIABILITIES					
Debentures outstanding.....	.....	37,200.00	145,218.71	76,656.13	29,383.19
Accounts payable.....	1,537.61	144.79	1,177.13	37,572.31	4,085.15
Other.....	1,308.42	1,510.00	10,548.42	12,583.49	12,655.30
Total liabilities.....	2,846.03	38,854.79	156,944.26	126,811.93	46,123.64
RESERVES					
Equity in Ontario Hydro systems.....	268,528.14	6,319.05	428,099.58	197,343.54	140,247.69
Other.....	.....	1,245.00	300.00	5,797.51	134.00
Total reserves.....	268,528.14	7,564.05	428,399.58	203,141.05	140,381.69
CAPITAL					
Debentures redeemed.....	17,000.00	2,800.00	197,781.29	62,843.87	40,116.81
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds....	241,770.21	11,435.91	409,371.47	262,879.43	113,462.85
Frequency standardization expense charged this year.....	.....	.....	13,804.98	.....	.....
Total capital.....	258,770.21	14,235.91	593,347.78	325,723.30	153,579.66
Total.....	530,144.38	60,654.75	1,178,691.62	655,676.28	340,084.99
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	163,794.15	24,225.13	341,272.45	339,686.19	100,307.29
Street lighting.....	3,631.86	996.00	18,021.04	7,378.17	2,630.85
Other.....	2,692.90	8.50	1,209.69	2,003.43	58.86
Total revenue.....	170,118.91	25,229.63	360,503.18	349,067.79	102,997.00
EXPENSE					
Power purchased.....	120,755.61	8,711.67	192,452.92	238,558.99	54,169.91
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	6,411.73	4,887.14	40,606.73	16,618.31	9,325.49
Administration.....	15,469.98	3,271.00	40,065.55	20,269.40	15,145.22
Fixed charges—interest and principal.....	.....	2,959.02	15,902.24	13,472.71	5,283.71
—depreciation.....	5,065.00	2,010.00	17,798.00	10,124.00	3,978.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	147,702.32	21,838.83	306,825.44	299,043.41	87,902.33
Net income or net expense.....	22,416.59	3,390.80	53,677.74	50,024.38	15,094.67
Number of customers.....	779	429	4,471	2,506	1,043

Statements for the Year Ended December 31, 1957

Port Dover	Port Elgin	Port Hope	Port McNicoll	Port Perry	Port Rowan	Port Stanley
2,767	1,689	7,509	932	2,186	782	1,385
\$	\$	\$	\$	\$	\$	\$
234,003.11	149,871.86	555,646.59	55,395.65	116,679.75	48,613.84	152,720.96
54,354.30	20,216.02	102,140.01	11,857.55	18,119.37	8,352.39	42,857.69
179,648.81	129,655.84	453,506.58	43,538.10	98,560.38	40,261.45	109,863.27
16,898.04	3,030.79	63,124.86	8,336.52	31,690.12	4,261.11	50.00
.....	1,500.00	.....	26,000.00	16,000.00	.....	18,000.00
1,372.13	383.94	1,428.02	4,002.78	767.92	1,525.22	997.51
18,270.17	4,914.73	64,552.88	38,339.30	48,458.04	5,786.33	19,047.51
.....	1,322.54	23,438.99	1,966.66	.....	.....	620.28
.....
18,692.92	240.47	96.32	.....	474.40	4,066.54	12,623.91
18,692.92	1,563.01	23,535.31	1,966.66	474.40	4,066.54	13,244.19
106,155.37	73,672.35	357,176.83	42,465.50	70,775.30	25,263.96	136,803.62
322,767.27	209,805.93	898,771.60	126,309.56	218,268.12	75,378.28	278,958.59
77,393.01	.....	136,100.00	.....	.....	.....	.....
7,672.66	477.79	2,003.95	.....	816.68	1,378.82	5,018.95
2,389.88	.....	22,933.94	436.90	1,287.55	265.83	799.39
87,455.55	477.79	161,037.89	436.90	2,104.23	1,644.65	5,818.34
106,155.37	73,672.35	357,176.83	42,465.50	70,775.30	25,263.96	136,803.62
5,460.67	119.24	12,446.02	59.70	100.00	.....	38.79
111,616.04	73,791.59	369,622.85	42,525.20	70,875.30	25,263.96	136,842.41
31,606.99	37,787.00	107,900.00	9,803.58	19,881.66	11,000.00	18,950.00
.....
92,088.69	97,749.55	260,210.86	73,543.88	125,406.93	37,469.67	117,347.84
.....
123,695.68	135,536.55	368,110.86	83,347.46	145,288.59	48,469.67	136,297.84
322,767.27	209,805.93	898,771.60	126,309.56	218,268.12	75,378.28	278,958.59
98,522.40	74,352.64	381,306.91	49,060.17	61,759.39	16,397.01	65,264.04
3,467.32	3,426.86	8,345.82	1,480.16	2,570.81	1,040.76	3,179.11
21.59	57.15	1,381.44	672.70	1,030.11	149.58	797.17
102,011.31	77,836.65	391,034.17	51,213.03	65,360.31	17,587.35	69,240.32
66,872.53	44,626.20	238,556.58	29,866.85	37,542.61	10,025.85	42,665.52
.....
8,925.35	8,434.15	33,363.75	3,526.12	5,044.06	1,520.15	10,913.99
6,164.42	8,894.24	27,473.72	2,890.47	4,686.80	978.63	7,858.79
6,396.85	.....	20,617.16	.....	.....	.....	25.07
5,965.00	3,433.00	13,798.00	1,472.00	2,908.00	1,191.00	4,333.00
.....
94,324.15	65,387.59	333,809.21	37,755.44	50,181.47	13,715.63	65,796.37
7,687.16	12,449.06	57,224.96	13,457.59	15,178.84	3,871.72	3,443.95
1,412	1,000	2,629	431	771	331	1,150

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Prescott	Preston	Priceville	Princeton	Queenston
Population.....	5,083	9,903	164	387	425
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	243,965.52	949,489.87	15,513.91	26,619.17	28,675.13
Accumulated depreciation.....	74,406.42	166,545.74	4,036.89	5,584.19	5,323.26
Net fixed assets.....	169,559.10	782,944.13	11,477.02	21,034.98	23,351.87
CURRENT ASSETS					
Cash on hand and in bank.....	35,746.41	9,331.69	3,543.93	752.29	6,905.77
Investment in government securities.....	30,000.00	.....	3,000.00	3,000.00	8,000.00
Accounts receivable.....	3,311.67	7,584.31	59.50	856.49	608.54
Total current assets.....	69,058.08	16,916.00	6,603.43	4,608.78	15,514.31
OTHER ASSETS					
Inventory of stores.....	10,122.36	33,270.36	.....	.....	.....
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	1,000.00	2,147.76	.....	2,431.55	.....
Total other assets.....	11,122.36	35,418.12	.....	2,431.55	.....
Equity in Ontario Hydro systems.....	198,343.21	804,034.04	3,367.42	30,990.91	23,786.12
Total.....	448,082.75	1,639,312.29	21,447.87	59,066.22	62,652.30
LIABILITIES					
Debentures outstanding.....	4,000.00	260,500.00	4,175.00	.....	.....
Accounts payable.....	157.00	2,893.36	516.51	54.01	1,187.85
Other.....	3,013.40	6,767.82	.....	50.00	175.00
Total liabilities.....	7,170.40	270,161.18	4,691.51	104.01	1,362.85
RESERVES					
Equity in Ontario Hydro systems.....	198,343.21	804,034.04	3,367.42	30,990.91	23,786.12
Other.....	.....	5,909.64	.....	.....	.....
Total reserves.....	198,343.21	809,943.68	3,367.42	30,990.91	23,786.12
CAPITAL					
Debentures redeemed.....	20,170.99	217,300.00	7,991.10	3,550.00	9,500.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	222,398.15	375,096.29	5,397.84	24,421.30	28,103.33
Frequency standardization expense charged this year.....	.....	33,188.86	.....	.....	100.00
Total capital.....	242,569.14	559,207.43	13,388.94	27,971.30	37,503.33
Total.....	448,082.75	1,639,312.29	21,447.87	59,066.22	62,652.30
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	148,901.56	443,954.57	3,329.80	11,137.41	15,610.33
Street lighting.....	5,838.68	22,933.01	368.14	661.44	619.45
Other.....	1,643.18	753.60	135.88	246.56	180.00
Total revenue.....	156,383.42	467,641.18	3,833.82	12,045.41	16,409.78
EXPENSE					
Power purchased.....	98,395.70	279,205.44	1,601.18	9,071.39	10,570.14
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	13,144.46	44,716.84	436.29	364.95	812.40
Administration.....	15,094.30	20,752.47	375.80	767.85	877.87
Fixed charges—interest and principal.....	1,485.50	28,068.55	441.87	.....	33.47
—depreciation.....	7,402.00	24,457.00	452.00	710.00	755.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	135,521.96	397,200.30	3,307.14	10,914.19	13,048.88
Net income or net expense.....	20,861.46	70,440.88	526.68	1,131.22	3,360.90
Number of customers.....	1,633	2,979	64	165	158

Statements for the Year Ended December 31, 1957

Renfrew	Richmond	Richmond Hill	Ridgetown	Ripley	Riverside	Rockland
8,433	813	10,932	2,450	458	14,798	2,803
\$ 1,195,307.07 227,932.04	\$ 50,853.00 3,512.94	\$ 664,820.96 45,114.57	\$ 174,999.52 19,731.86	\$ 36,541.38 4,677.01	\$ 576,529.78 118,566.59	\$ 70,324.31 13,759.94
967,375.03	47,340.06	619,706.39	155,267.66	31,864.37	457,963.19	56,564.37
3,918.36	3,826.60	1,546.66	1,871.99	9,830.24	50,752.14	24,961.17
45,000.00	.....	.....	.....	5,000.00	.....	.....
31,238.65	1,313.64	8,620.20	1,061.69	83.45	9,474.42	7,707.63
80,157.01	5,140.24	10,166.86	2,933.68	14,913.69	60,226.56	32,668.80
16,866.50	.....	4,952.69	.....	.....	26,061.04	.....
.....	.....	892.91	4,960.36	.....	206.67	.....
16,866.50	.....	5,845.60	4,960.36	.....	26,267.71	.....
75,035.22	16,338.47	119,742.39	133,340.64	27,548.48	321,303.70	6,651.34
1,139,433.76	68,818.77	755,461.24	296,502.34	74,326.54	865,761.16	95,884.51
216,603.02	7,100.00	404,858.91	56,424.98	.....	46,502.42	22,000.00
11,732.09	.....	10,620.38	3,542.86	88.25	318.52	202.76
3,590.00	331.76	7,024.80	2,322.50	453.24	7,751.85	1,650.00
231,925.11	7,431.76	422,504.09	62,290.34	541.49	54,572.79	23,852.76
75,035.22	16,338.47	119,742.39	133,340.64	27,548.48	321,303.70	6,651.34
3,936.83	438.84	23,241.73	3,547.22	.....	332.45	1,046.60
78,972.05	16,777.31	142,984.12	136,887.86	27,548.48	321,636.15	7,697.94
554,633.71	6,787.33	32,341.09	25,031.01	12,744.49	115,997.58	3,000.00
.....
273,902.89	37,822.37	157,631.94	74,761.13	33,492.08	373,554.64	61,333.81
.....	.....	.....	2,468.00	.....	.....	.....
828,536.60	44,609.70	189,973.03	97,324.14	46,236.57	489,552.22	64,333.81
1,139,433.76	68,818.77	755,461.24	296,502.34	74,326.54	865,761.16	95,884.51
276,408.22	20,159.35	352,614.45	73,728.33	15,700.21	307,667.78	47,595.91
9,962.30	553.56	6,374.67	4,731.78	972.82	9,013.31	1,794.62
3,126.90	6.24	356.55	1,195.84	269.61	2,685.69	165.11
289,497.42	20,719.15	359,345.67	79,655.95	16,942.64	319,366.78	49,555.64
100,338.69	10,563.13	216,923.30	47,551.50	10,305.54	182,864.17	21,864.39
34,429.22	.....	.....	.....	.....	.....	.....
26,447.12	1,470.18	8,653.19	11,058.16	1,203.49	36,187.09	5,445.57
30,990.10	607.57	24,398.94	8,489.09	1,175.20	35,189.40	2,785.68
23,458.90	627.74	31,364.27	5,200.41	.....	10,101.06	2,012.50
26,959.00	1,037.00	13,073.00	3,877.00	897.00	14,959.00	1,826.00
.....	.....	250.00	.....	.....	282.71	.....
242,623.03	14,305.62	294,662.70	76,176.16	13,581.23	279,583.43	33,934.14
46,874.39	6,413.53	64,682.97	3,479.79	3,361.41	39,783.35	15,621.50
2,596	264	3,476	1,005	216	4,634	693

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Rockwood	Rodney	Rosseau	Russell	St. Catharines
Population.....	836	1,017	217	425	40,632
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	41,183.76	53,593.70	21,302.64	36,493.56	3,156,795.28
Accumulated depreciation.....	9,201.44	17,540.58	5,189.75	5,400.12	466,231.66
Net fixed assets.....	31,982.32	36,053.12	16,112.89	31,093.44	2,690,563.62
CURRENT ASSETS					
Cash on hand and in bank.....	8,810.44	1,007.75	2,681.30	4,335.27	179,699.24
Investment in government securities..	1,500.00	5,200.00	1,500.00	12,000.00	100,000.00
Accounts receivable.....	90.33	474.05	80.13	1,636.80	161,906.25
Total current assets.....	10,400.77	6,681.80	4,261.43	17,972.07	441,605.49
OTHER ASSETS					
Inventory of stores.....	88.83	40.00	.....	.....	104,985.37
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	53.32	82.21	.....	.....	3,948.81
Total other assets.....	142.15	122.21	.....	.....	108,934.18
Equity in Ontario Hydro systems.....	36,667.56	44,593.38	12,276.55	19,304.09	2,818,962.04
Total.....	79,192.80	87,450.51	32,650.87	68,369.60	6,060,065.33
LIABILITIES					
Debentures outstanding.....	7,451.95	.....	.....	.....	.....
Accounts payable.....	228.43	985.35	1,408.69	.....	235,355.79
Other.....	450.74	360.00	43.00	310.00	47,744.26
Total liabilities.....	8,131.12	1,345.35	1,451.69	310.00	283,100.05
RESERVES					
Equity in Ontario Hydro systems.....	36,667.56	44,593.38	12,276.55	19,304.09	2,818,962.04
Other.....	147.16	73.15	48.75	.....	2,369.41
Total reserves.....	36,814.72	44,666.53	12,325.30	19,304.09	2,821,331.45
CAPITAL					
Debentures redeemed.....	5,048.05	8,500.00	11,932.84	8,808.12	302,022.91
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	33,562.59	35,497.64	6,941.04	39,947.39	2,653,610.92
Frequency standardization expense charged this year.....	4,363.68	2,559.01	.....	.....	.....
Total capital.....	34,246.96	41,438.63	18,873.88	48,755.51	2,955,633.83
Total.....	79,192.80	87,450.51	32,650.87	68,369.60	6,060,065.33
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	22,575.85	24,776.10	5,491.53	11,502.31	2,150,282.48
Street lighting.....	920.28	1,585.16	482.04	1,011.07	50,520.88
Other.....	224.71	339.73	138.35	436.30	6,062.97
Total revenue.....	23,720.84	26,700.99	6,111.92	12,949.68	2,206,866.33
EXPENSE					
Power purchased.....	14,665.06	17,419.75	2,660.19	6,817.62	1,425,510.59
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	755.40	1,668.89	788.29	902.75	164,047.75
Administration.....	2,382.94	2,157.96	601.69	1,233.78	122,854.56
Fixed charges—interest and principal.....	588.65	100.22	.....	.....	.....
—depreciation.....	1,316.00	1,685.00	619.00	872.00	75,718.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	19,708.05	23,031.82	4,669.17	9,826.15	1,788,130.90
Net income or net expense.....	4,012.79	3,669.17	1,442.75	3,123.53	418,735.43
Number of customers.....	284	445	121	197	13,814

Statements for the Year Ended December 31, 1957

St. Clair Beach 1,020	St. George 686	St. Jacobs 725	St. Mary's 4,130	St. Thomas 19,202	Sandwich East Twp. 20,768	Sandwich West Twp. 20,747
\$ 73,633.98 12,736.38	\$ 40,165.27 2,979.49	\$ 43,978.87 7,728.33	\$ 389,435.56 102,469.39	\$ 1,365,113.16 390,228.79	\$ 1,177,196.91 182,747.64	\$ 1,410,473.43 204,603.77
60,897.60	37,185.78	36,250.54	286,966.17	974,884.37	994,449.27	1,205,869.66
4,400.46	476.47	2,623.02	11,214.99	300.00	114,159.39	200,963.44
.....	12,000.00	2,000.00	42,500.00	45,000.00	.....	.....
300.16	1,440.48	472.84	2,200.10	51,452.90	32,587.91	47,656.50
4,700.62	13,916.95	5,095.86	55,915.09	96,752.90	146,747.30	248,619.94
.....	.....	.....	24,456.06	46,796.27	21,783.83	19,674.97
.....	.....	.....	2,562.58	70,783.58	550.91	1,284.57
52.00	162.36	10.00	.....	.....	.....	.....
52.00	162.36	10.00	27,018.64	117,579.85	22,334.74	20,959.54
25,666.97	43,142.18	55,498.84	387,052.45	1,508,236.08	6,002.00	66,025.40
91,317.19	94,407.27	96,855.24	756,952.35	2,697,453.20	1,169,533.31	1,541,474.54
8,900.00	.....	.....	54,762.61	.....	1,020,000.00	1,167,000.00
1,653.79	231.50	47.66	12.27	65,815.21	12,589.76	9,408.94
365.00	639.20	.....	3,024.00	41,285.15	10,924.35	9,646.92
10,918.79	870.70	47.66	57,798.88	107,100.36	1,043,514.11	1,186,055.86
25,666.97	43,142.18	55,498.84	387,052.45	1,508,236.08	6,002.00	66,025.40
772.50	.....	.....	116.56	218.89	21,887.50	83,777.96
26,439.47	43,142.18	55,498.84	387,169.01	1,508,454.97	27,889.50	149,803.36
9,441.45	6,000.00	6,000.00	139,497.77	138,944.07	30,000.00	33,000.00
.....
44,615.48	46,993.67	35,308.74	172,486.69	980,007.47	68,129.70	172,615.32
98.00	2,599.28	.....	.....	37,053.67	.....	.....
53,958.93	50,394.39	41,308.74	311,984.46	1,081,897.87	98,129.70	205,615.32
91,317.19	94,407.27	96,855.24	756,952.35	2,697,453.20	1,169,533.31	1,541,474.54
35,810.62	19,513.59	22,772.45	154,992.87	726,214.66	532,149.79	652,801.36
1,305.59	1,276.20	1,143.55	6,618.89	19,973.69	11,662.78	.....
9.79	497.82	123.22	3,377.54	4,009.38	6,405.95	5,498.10
37,126.00	21,287.61	24,039.22	164,989.30	750,197.73	550,218.52	658,299.46
17,786.36	14,160.44	17,605.36	92,305.93	433,545.47	212,140.29	293,480.54
.....
3,145.78	858.67	648.08	15,482.90	103,796.95	73,216.34	69,560.46
2,441.04	1,713.08	1,275.12	18,808.00	69,361.58	74,896.74	46,762.06
1,572.50	.....	.....	5,713.63	218.55	85,336.33	90,008.50
1,860.00	943.00	1,144.00	10,841.00	39,554.00	25,634.00	31,134.00
.....	.....	.....	.....	.....	500.00	.....
26,805.68	17,675.19	20,672.56	143,151.46	646,476.55	471,723.70	530,945.56
10,320.32	3,612.42	3,366.66	21,837.84	103,721.18	78,494.82	127,353.90
354	262	227	1,542	6,822	5,808	6,116

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Sarnia	Scarborough Twp.	Seaforth	Shelburne	Simcoe
Population.....	44,953	151,885	2,089	1,264	8,217
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	3,444,949.87	13,332,174.64	201,533.59	99,161.83	609,050.90
Accumulated depreciation.....	725,061.50	915,387.09	14,486.12	28,569.70	144,698.25
Net fixed assets.....	2,719,888.37	12,416,787.55	187,047.47	70,592.13	464,352.65
CURRENT ASSETS					
Cash on hand and in bank.....	600.00	506,341.62	18,036.81	3,909.88	30.00
Investment in government securities.....		1,127,500.00	9,000.00		
Accounts receivable.....	137,146.06	212,830.45	2,235.08	2,393.87	3,408.79
Total current assets.....	137,746.06	1,846,672.07	29,271.89	6,303.75	3,438.79
OTHER ASSETS					
Inventory of stores.....	195,423.70	171,808.13			21,680.58
Sinking fund on local debentures.....		101,610.44			
Miscellaneous.....	5,059.09	24,385.42	367.04		20,512.21
Total other assets.....	200,482.79	297,803.99	367.04		42,192.79
Equity in Ontario Hydro systems.....	2,311,925.94	1,793,157.81	188,753.50	68,765.68	416,122.17
Total.....	5,370,043.16	16,354,421.42	405,439.90	145,661.56	926,106.40
LIABILITIES					
Debentures outstanding.....	276,000.00	8,672,150.01	31,000.00		
Accounts payable.....	220,367.03	461,506.09	1,183.82	524.93	18,073.65
Other.....	143,749.33	697,620.24	2,620.25	116.00	9,091.92
Total liabilities.....	640,116.36	9,831,276.34	34,804.07	640.93	27,165.57
RESERVES					
Equity in Ontario Hydro systems.....	2,311,925.94	1,793,157.81	188,753.50	68,765.68	416,122.17
Other.....	12,597.85	171,061.91		48.52	
Total reserves.....	2,324,523.79	1,964,219.72	188,753.50	68,814.20	416,122.17
CAPITAL					
Debentures redeemed.....	512,000.00	1,154,127.46	44,000.00	16,991.04	75,434.90
Local sinking fund.....		101,610.44			
Accumulated net income invested in plant or held as working funds.....	1,893,403.01	3,303,187.46	137,882.33	59,215.39	407,383.76
Frequency standardization expense charged this year.....					
Total capital.....	2,405,403.01	4,558,925.36	181,882.33	76,206.43	482,818.66
Total.....	5,370,043.16	16,354,421.42	405,439.90	145,661.56	926,106.40
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	1,985,434.21	5,485,392.55	84,959.71	43,086.64	296,396.96
Street lighting.....	54,641.32	141,809.94	3,571.91	2,621.79	19,803.98
Other.....	28,373.66	47,847.87	797.91	79.42	1,042.43
Total revenue.....	2,068,449.19	5,675,050.36	89,329.53	45,787.85	317,243.37
EXPENSE					
Power purchased.....	1,295,469.43	3,300,956.82	45,971.01	33,119.59	197,434.15
Local generation.....					
Operation and maintenance.....	219,290.27	239,863.66	8,902.94	1,661.28	38,080.43
Administration.....	168,370.47	354,848.03	5,342.41	2,087.18	20,150.93
Fixed charges—interest and principal.....	41,685.32	636,296.35	3,778.16		561.08
—depreciation.....	86,513.00	270,728.00	4,255.00	2,954.00	16,670.00
—other.....	1,100.00	3,000.00			
Total expense.....	1,812,428.49	4,805,692.86	68,249.52	39,822.05	272,896.59
Net income or net expense.....	256,020.70	869,357.50	21,080.01	5,965.80	44,346.78
Number of customers.....	13,797	48,390	800	545	3,073

Statements for the Year Ended December 31, 1957

Smith's Falls	Smithville	Southampton	Springfield	Stamford Twp.	Stayner	Stirling
8,664	821	1,717	519	27,156	1,473	1,303
\$	\$	\$	\$	\$	\$	\$
623,507.28	47,817.36	146,672.08	34,373.70	1,873,714.03	89,163.47	103,480.36
161,132.14	10,249.49	14,805.08	10,100.53	228,413.92	16,929.24	30,801.09
462,375.14	37,567.87	131,867.00	24,273.17	1,645,300.11	72,234.23	72,679.27
14,602.97	5,105.38	13,783.25	3,285.55	106,887.60	8,898.67	22,813.35
20,000.00	8,000.00	.....	500.00	8,000.00	1,000.00	.....
2,209.64	325.87	596.04	525.71	11,265.67	820.91	1,299.38
36,812.61	13,431.25	14,379.29	4,311.26	126,153.27	10,719.58	24,112.73
13,162.16	278.50	1,402.50	.....	40,351.20	.....	2,447.29
.....	.....	82.00	2,318.73	2,336.09	.....	892.90
.....	.16	.....	.....	.....	.....	.....
13,162.16	278.66	1,484.50	2,318.73	42,687.29	.....	3,340.19
414,665.60	23,487.87	70,801.68	26,026.15	481,642.09	62,465.14	42,998.94
927,015.51	74,765.65	218,532.47	56,929.31	2,295,782.76	145,418.95	143,131.13
15,000.00	.....	10,002.97	.....	893,336.36	3,900.18	10,363.44
143.27	491.83	39.89	80.15	12,318.86	.....	193.05
26.38	242.70	478.85	55.00	47,028.15	441.18	592.73
15,169.65	734.53	10,521.71	135.15	952,683.37	4,341.36	11,149.22
414,665.60	23,487.87	70,801.68	26,026.15	481,642.09	62,465.14	42,998.94
1,007.37	.....	.....	313.86	29,989.24	50.00	.....
415,672.97	23,487.87	70,801.68	26,340.01	511,631.33	62,515.14	42,998.94
132,787.33	15,000.00	32,519.96	9,500.00	421,941.81	9,557.26	12,636.56
.....
363,385.56	37,880.40	104,689.12	20,954.15	409,526.25	69,005.19	76,346.41
.....	2,337.15	.....	.....	.....	.....	.....
496,172.89	50,543.25	137,209.08	30,454.15	831,468.06	78,562.45	88,982.97
927,015.51	74,765.65	218,532.47	56,929.31	2,295,782.76	145,418.95	143,131.13
278,983.57	32,866.19	64,560.34	11,450.53	810,261.23	44,398.80	40,773.42
11,096.22	1,082.76	4,086.88	862.16	29,246.16	2,277.95	1,974.52
2,729.49	463.29	190.26	69.55	2,181.42	65.58	988.51
292,809.28	34,412.24	68,837.48	12,382.24	841,688.81	46,742.33	43,736.45
193,238.15	21,619.15	39,850.03	8,358.93	490,192.78	30,588.37	21,988.55
.....
19,384.44	3,498.80	8,815.47	649.22	95,942.86	2,489.46	5,737.20
31,823.64	5,027.79	5,058.78	1,320.19	54,041.41	3,274.98	5,278.27
3,255.02	.....	1,516.54	.....	79,448.44	.....	999.44
17,726.00	1,279.00	3,323.00	1,038.00	42,872.00	2,355.00	1,866.00
.....
265,427.25	31,424.74	58,563.82	11,366.34	762,497.49	38,707.81	35,869.46
27,382.03	2,987.50	10,273.66	1,015.90	79,191.32	8,034.52	7,866.99
3,172	379	1,060	175	7,861	584	505

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Stoney Creek	Stouffville	Stratford	Strathroy	Streetsville
Population.....	5,379	2,505	20,359	4,529	3,766
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	298,648.48	121,734.27	1,715,294.19	334,302.52	261,178.51
Accumulated depreciation.....	27,432.66	17,957.99	498,334.33	97,769.55	26,234.64
Net fixed assets.....	271,215.82	103,776.28	1,216,959.86	236,532.97	234,943.87
CURRENT ASSETS					
Cash on hand and in bank.....	36,114.56	15,085.88	2,000.00	16,930.70	25,100.76
Investment in government securities.....			180,000.00		
Accounts receivable.....	1,134.97	882.60	18,285.39	3,567.95	6,113.12
Total current assets.....	37,249.53	15,968.48	200,285.39	20,498.65	31,213.88
OTHER ASSETS					
Inventory of stores.....		153.17	45,628.44	251.59	233.90
Sinking fund on local debentures.....					
Miscellaneous.....			3,611.83	209.58	36.66
Total other assets.....		153.17	49,240.27	461.17	270.56
Equity in Ontario Hydro systems.....	44,356.80	78,155.06	1,718,557.86	289,505.35	50,535.13
Total	352,822.15	198,052.99	3,185,043.38	546,998.14	316,963.44
LIABILITIES					
Debentures outstanding.....	58,834.35	18,629.87		9,200.00	125,977.93
Accounts payable.....	6,236.87	25.02	172,811.58	853.52	3,410.19
Other.....	3,044.22	3,711.83	14,659.96	3,822.64	2,186.14
Total liabilities.....	68,115.44	22,366.72	187,471.54	13,876.16	131,574.26
RESERVES					
Equity in Ontario Hydro systems.....	44,356.80	78,155.06	1,718,557.86	289,505.35	50,535.13
Other.....	1,467.53	970.73	2,042.26	765.20	4,721.57
Total reserves.....	45,824.33	79,125.79	1,720,600.12	290,270.55	55,256.70
CAPITAL					
Debentures redeemed.....	21,165.65	16,044.03	455,800.00	54,688.85	26,567.15
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	237,377.55	80,516.45	827,962.37	188,162.58	103,565.33
Frequency standardization expense charged this year.....	19,660.82		6,790.65		
Total capital.....	238,882.38	96,560.48	1,276,971.72	242,851.43	130,132.48
Total	352,822.15	198,052.99	3,185,043.38	546,998.14	316,963.44
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	188,370.84	83,616.55	767,655.79	158,590.97	126,418.15
Street lighting.....	5,521.86	1,532.49	30,284.82	5,605.14	3,366.78
Other.....	778.52	269.61	10,298.26	510.19	1,200.00
Total revenue	194,671.22	85,418.65	808,238.87	164,706.30	130,984.93
EXPENSE					
Power purchased.....	104,745.38	56,867.50	479,699.22	102,548.26	83,389.79
Local generation.....					5,096.30
Operation and maintenance.....	8,172.40	4,144.03	115,259.52	17,899.14	4,604.20
Administration.....	12,742.51	5,691.24	64,738.29	15,493.24	8,203.27
Fixed charges—interest and principal.....	6,333.41	1,471.63	1,303.42	1,229.00	10,162.13
—depreciation.....	6,429.00	2,935.00	28,002.00	9,815.00	5,810.00
—other.....					150.00
Total expense	138,422.70	71,109.40	689,002.45	146,984.64	117,415.69
Net income or net expense	56,248.52	14,309.25	119,236.42	17,721.66	13,569.24
Number of customers.....	1,734	890	6,800	1,612	1,221

Statements for the Year Ended December 31, 1957

Sunderland	Sundridge	Sutton	Swansea	Tara	Tavistock	Tecumseh
557	716	1,308	8,710	493	1,160	4,212
\$	\$	\$	\$	\$	\$	\$
40,918.20	60,142.08	119,081.76	534,773.61	35,253.21	96,597.85	181,119.65
6,610.18	5,529.26	27,564.56	95,928.68	8,971.76	26,371.37	52,778.19
34,308.02	54,612.82	91,517.20	438,844.93	26,281.45	70,226.48	128,341.46
	6,120.33	4,860.22	212,764.30	7,283.33	10,208.94	25,003.80
2,000.00	5,000.00	7,000.00		8,000.00		
330.32	1,368.49	3,357.91	5,009.41	146.42	341.09	5,391.34
2,330.32	12,488.82	15,218.13	217,773.71	15,429.75	10,550.03	30,395.14
	13.20		524.06		250.68	15,259.53
500.00			120.14		52.74	
500.00	13.20		644.20		303.42	15,259.53
32,717.70	4,064.31	69,675.61	366,244.48	29,256.29	137,906.10	99,877.41
69,856.04	71,179.15	176,410.94	1,023,507.32	70,967.49	218,986.03	273,873.54
611.82	29,151.17		100,919.80		25,184.00	
120.00	2,604.78	5,233.06	2,478.90		1,937.29	453.58
	11.00	590.00	10,681.71			1,705.00
731.82	31,766.95	5,823.06	114,080.41		27,121.29	2,158.58
32,717.70	4,064.31	69,675.61	366,244.48	29,256.29	137,906.10	99,877.41
25.00		248.87	1,902.51		1,187.10	
32,742.70	4,064.31	69,924.48	368,146.99	29,256.29	139,093.20	99,877.41
4,627.78	5,848.83	26,000.00	151,747.16	14,263.64	10,459.90	26,000.00
31,753.74	29,499.06	74,663.40	389,532.76	27,447.56	42,311.64	146,148.75
						311.20
36,381.52	35,347.89	100,663.40	541,279.92	41,711.20	52,771.54	171,837.55
69,856.04	71,179.15	176,410.94	1,023,507.32	70,967.49	218,986.03	273,873.54
18,394.71	22,132.53	52,046.10	298,814.44	13,941.19	46,448.62	82,926.42
1,259.20	754.81	2,525.52	12,439.02	967.41	1,730.88	2,666.52
147.28	6.29	219.79	4,792.50	295.49	264.06	1,925.84
19,801.19	22,893.63	54,791.41	316,045.96	15,204.09	48,443.56	87,518.78
12,633.76	10,394.57	37,820.65	181,847.09	9,244.98	29,526.70	42,894.27
2,250.51	1,649.76	4,625.65	35,868.88	993.30	6,128.43	10,906.56
1,462.25	1,371.69	5,114.59	25,763.45	795.26	2,909.65	13,301.57
	2,808.90		15,765.27		2,276.10	240.00
998.00	1,120.00	3,308.00	13,234.00	992.00	2,708.00	3,235.00
			300.00			
17,344.52	17,344.92	50,868.89	272,778.69	12,025.54	43,548.88	70,577.40
2,456.67	5,548.71	3,922.52	43,267.27	3,178.55	4,894.68	16,941.38
248	287	854	3,074	229	487	1,290

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Teeswater	Thamesford	Thamesville	Thedford	Thornbury
Population.....	883	755	1,040	668	1,065
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	70,563.20	54,155.18	85,989.28	44,543.49	125,453.43
Accumulated depreciation.....	9,686.28	9,360.83	18,386.35	6,631.93	9,303.38
Net fixed assets.....	60,876.92	44,794.35	67,602.93	37,911.56	116,150.05
CURRENT ASSETS					
Cash on hand and in bank.....	3,941.79	.....	9,334.04	8,331.74	1,156.24
Investment in government securities..	15,000.00	.....	3,000.00	10,000.00	4,000.00
Accounts receivable.....	17.94	91.50	2,999.48	371.67	5,315.90
Total current assets.....	18,959.73	91.50	15,333.52	18,703.41	10,472.14
OTHER ASSETS					
Inventory of stores.....	.....	.....	.....	.....	18.00
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	.....	6,181.97	284.42	.....
Total other assets.....	.....	.....	6,181.97	284.42	18.00
Equity in Ontario Hydro systems.....	43,485.75	55,151.08	59,460.11	34,329.30	13,450.24
Total.....	123,322.40	100,036.93	148,578.53	91,228.69	140,090.43
LIABILITIES					
Debentures outstanding.....	.....	2,400.00	.....	.....	27,620.67
Accounts payable.....	1,139.32	1,780.44	563.15	.....	136.16
Other.....	49.00	333.12	1,088.70	269.03	345.00
Total liabilities.....	1,188.32	4,513.56	1,651.85	269.03	28,101.83
RESERVES					
Equity in Ontario Hydro systems.....	43,485.75	55,151.08	59,460.11	34,329.30	13,450.24
Other.....	.....	7.61	137.92	50.00	.....
Total reserves.....	43,485.75	55,158.69	59,598.03	34,379.30	13,450.24
CAPITAL					
Debentures redeemed.....	21,296.14	5,958.03	11,187.80	16,500.00	58,379.33
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	57,352.19	34,406.65	76,140.85	40,080.36	40,159.03
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	78,648.33	40,364.68	87,328.65	56,580.36	98,538.36
Total.....	123,322.40	100,036.93	148,578.53	91,228.69	140,090.43
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	27,896.87	30,426.97	44,757.82	19,867.54	38,409.17
Street lighting.....	1,243.29	656.37	2,446.82	1,625.40	2,366.08
Other.....	589.63	5.65	327.67	352.54	243.43
Total revenue.....	29,729.79	31,088.99	47,532.31	21,845.48	41,018.68
EXPENSE					
Power purchased.....	17,588.84	19,876.09	24,735.25	13,676.82	20,688.02
Local generation.....	.....	.....	.....	.....	6,319.61
Operation and maintenance.....	2,000.90	2,210.40	2,236.73	1,680.19	2,626.19
Administration.....	1,951.92	1,662.88	3,254.56	1,777.96	3,116.63
Fixed charges—interest and principal.....	.....	201.87	225.62	.....	2,910.92
—depreciation.....	1,750.00	1,346.00	2,345.00	1,091.00	1,886.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	23,291.66	25,297.24	32,797.16	18,225.97	37,547.37
Net income or net expense.....	6,438.13	5,791.75	14,735.15	3,619.51	3,471.31
Number of customers.....	345	296	435	286	500

Statements for the Year Ended December 31, 1957

Thorndale	Thornton	Thorold	Tilbury	Tillsonburg	Toronto
347	296	8,180	3,030	6,239	662,507
\$	\$	\$	\$	\$	\$
26,942.27	16,099.97	487,785.58	196,342.82	634,062.34	86,369,845.84
7,677.46	8,972.17	69,786.43	52,511.17	43,342.42	25,238,975.95
19,264.81	7,127.80	417,999.15	143,831.65	590,719.92	61,130,869.89
7,534.77	3,011.45	29,568.51	7,010.17	200.00	87,954.34
1,000.00	.....	.....	10,000.00	.....	2,002,284.00
101.48	367.81	4,414.51	1,991.49	1,335.93	5,050,648.69
8,636.25	3,379.26	33,983.02	19,001.66	1,535.93	7,140,887.03
.....	.....	19,991.05	210.80	5,754.35	3,214,407.16
.....	.....	425.01	11,481.85	37,309.41	45,219.38
.....	.....	20,416.06	11,692.65	43,063.76	3,259,626.54
26,573.70	10,622.88	453,916.90	180,810.18	307,391.07	63,895,784.20
54,474.76	21,129.94	926,315.13	355,336.14	942,710.68	135,427,167.66
.....	.....	107,723.00	47,500.00	126,241.88	9,081,100.00
1,191.21	.....	2,120.25	.....	23,219.56	3,502,614.43
6.00	72.50	5,472.50	855.33	11,963.96	354,181.86
1,197.21	72.50	115,315.75	48,355.33	161,425.40	12,937,896.29
26,573.70	10,622.88	453,916.90	180,810.18	307,391.07	63,895,784.20
27.73	.....	320.00	4,332.56	3,247.86	2,186,793.14
26,601.43	10,622.88	454,236.90	185,142.74	310,638.93	66,082,577.34
3,086.48	7,199.65	22,277.00	16,500.00	89,758.12	30,202,934.57
.....
23,589.64	3,234.91	336,569.37	105,743.07	380,888.23	26,203,759.46
.....	.....	2,083.89	405.00	.....	.....
26,676.12	10,434.56	356,762.48	121,838.07	470,646.35	56,406,694.03
54,474.76	21,129.94	926,315.13	355,336.14	942,710.68	135,427,167.66
11,600.20	5,530.94	475,719.63	92,027.18	248,409.27	33,024,208.37
987.17	288.75	10,077.65	6,156.62	13,846.26	837,828.16
32.41	.65	262.48	1,328.63	2,491.85	431,124.41
12,619.78	5,820.34	486,059.76	99,512.43	264,747.38	34,293,160.94
7,941.01	3,770.30	376,804.04	56,145.63	130,335.28	19,397,246.65
.....
939.67	639.29	53,886.75	9,575.42	31,027.80	4,168,341.16
1,029.73	219.69	24,279.84	10,313.65	25,186.95	3,616,104.42
.....	.....	9,310.07	4,667.50	15,563.44	681,328.55
806.00	419.00	11,534.00	5,486.00	12,577.00	2,779,084.36
.....
10,716.41	5,048.28	475,814.70	86,188.20	214,690.47	30,642,105.14
1,903.37	772.06	10,245.06	13,324.23	50,056.91	3,651,055.80
135	104	2,429	1,066	2,356	201,881

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Toronto Twp.	Tottenham	Trafalgar Twp.	Trenton	Tweed
Population.....	48,446	737	18,430	11,321	1,645
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	4,005,530.97	34,722.36	1,253,263.19	832,021.95	128,728.16
Accumulated depreciation.....	404,968.61	6,857.90	31,788.76	199,858.88	12,223.26
Net fixed assets.....	3,600,562.36	27,864.46	1,221,474.43	632,163.07	116,504.90
CURRENT ASSETS					
Cash on hand and in bank.....	429,963.38	4,148.63	39,243.29	33,210.32	8,470.41
Investment in government securities.....	308,000.00	5,500.00	.....	65,000.00	24,500.00
Accounts receivable.....	189,250.28	1,376.10	18,597.45	11,371.37	1,023.16
Total current assets.....	927,213.66	11,024.73	57,840.74	109,581.69	33,993.57
OTHER ASSETS					
Inventory of stores.....	113,366.12	30.00	62,686.23	19,408.66	614.93
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	1,473.41	.....	755.25	203.80	.....
Total other assets.....	114,839.53	30.00	63,441.48	19,612.46	614.93
Equity in Ontario Hydro systems.....	843,931.82	34,879.46	120,244.98	502,525.98	53,360.48
Total	5,486,547.37	73,798.65	1,463,001.63	1,263,883.20	204,473.88
LIABILITIES					
Debentures outstanding.....	1,253,746.81	4,537.79	867,490.89	.....	.....
Accounts payable.....	210,820.72	11.00	14,479.87	4,273.37	62.26
Other.....	165,155.12	593.25	12,245.21	15,160.22	481.00
Total liabilities.....	1,629,722.65	5,142.04	894,215.97	19,433.59	543.26
RESERVES					
Equity in Ontario Hydro systems.....	843,931.82	34,879.46	120,244.98	502,525.98	53,360.48
Other.....	53,065.05	.....	21,986.79	.....	352.30
Total reserves.....	896,996.87	34,879.46	142,231.77	502,525.98	53,712.78
CAPITAL					
Debentures redeemed.....	375,253.25	16,897.18	98,796.67	164,586.70	19,000.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	2,584,574.60	16,879.97	327,757.22	577,336.93	131,217.84
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	2,959,827.85	33,777.15	426,553.89	741,923.63	150,217.84
Total	5,486,547.37	73,798.65	1,463,001.63	1,263,883.20	204,473.88
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	2,480,944.53	18,644.50	540,520.45	528,246.71	41,208.38
Street lighting.....	50,236.71	1,341.18	1,161.75	11,263.50	3,043.03
Other.....	10,026.82	285.51	4,125.82	3,687.62	1,059.29
Total revenue	2,541,208.06	20,271.19	545,808.02	543,197.83	45,310.70
EXPENSE					
Power purchased.....	1,490,736.59	12,148.45	262,508.00	411,800.18	27,556.02
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	142,433.55	1,676.14	59,869.35	17,237.42	4,116.65
Administration.....	126,518.76	1,141.59	34,327.80	23,989.03	4,189.27
Fixed charges—interest and principal.....	116,967.95	838.98	57,592.51	.....	.....
—depreciation.....	85,942.00	909.00	19,502.00	22,419.00	2,961.00
—other.....	6,202.00	.....	498.08	.....	.....
Total expense	1,968,800.85	16,714.16	434,297.74	475,445.63	38,822.94
Net income or net expense	572,407.21	3,557.03	111,510.28	67,752.20	6,487.76
Number of customers.....	12,491	270	4,453	3,678	598

Statements for the Year Ended December 31, 1957

Uxbridge	Vankleek Hill	Victoria Harbour	Walkerton	Wallaceburg	Wardsville
2,136	1,654	881	3,663	7,907	297
\$ 119,327.86 19,595.34	\$ 101,910.67 19,167.83	\$ 49,683.24 8,349.84	\$ 197,808.78 19,789.51	\$ 808,272.91 185,592.05	\$ 21,722.99 5,801.75
99,732.52	82,742.84	41,333.40	178,019.27	622,680.86	15,921.24
13,996.46	7,530.77	1,761.70	52,180.75	93,334.72	643.01
12,500.00	.....	.....	34,500.00	42,000.00	1,500.00
570.90	105.55	1,618.51	1,392.32	6,764.64	246.73
27,067.36	7,636.32	3,380.21	88,073.07	142,099.36	2,389.74
3,201.79	.....	1,689.34	12,271.90	57,629.10	.....
10,505.71	.....	.....	259.00	.....	1,810.61
13,707.50	.....	1,689.34	12,530.90	57,629.10	1,810.61
74,473.09	4,872.14	22,388.11	122,657.40	753,970.36	13,774.15
214,980.47	95,251.30	68,791.06	401,280.64	1,576,379.68	33,895.74
.....	39,700.00	11,720.89	.....	.....	.....
1,826.72	2,724.45	778.14	1,576.11	16.50	406.16
1,651.58	.....	5.00	2,518.00	6,289.51	1,580.00
3,478.30	42,424.45	12,504.03	4,094.11	6,306.01	1,986.16
74,473.09	4,872.14	22,388.11	122,657.40	753,970.36	13,774.15
210.78	2,025.00	100.00	572.98	132.00	25.22
74,683.87	6,897.14	22,488.11	123,230.38	754,102.36	13,799.37
15,364.09	6,300.00	7,157.81	56,748.57	71,536.58	7,562.40
.....
121,454.21	39,629.71	26,641.11	217,207.58	744,434.73	10,547.81
.....
136,818.30	45,929.71	33,798.92	273,956.15	815,971.31	18,110.21
214,980.47	95,251.30	68,791.06	401,280.64	1,576,379.68	33,895.74
70,099.20	34,885.88	17,951.05	118,033.88	438,601.48	7,473.75
2,749.62	2,911.77	792.79	5,061.89	10,403.39	413.83
617.41	375.16	9.31	2,514.18	4,500.39	82.01
73,466.23	38,172.81	18,753.15	125,609.95	453,505.26	7,969.59
48,146.31	15,624.00	8,894.56	79,273.69	277,744.01	5,452.98
.....
6,382.52	3,674.51	2,615.35	7,952.68	30,214.32	536.62
5,722.26	3,649.79	1,313.36	11,407.20	36,845.69	522.62
.....	3,563.00	1,230.05	.....	.....	41.07
2,983.00	2,576.00	1,286.00	4,534.00	22,125.00	631.00
.....	.....	.....	100.00	.....	.....
63,234.09	29,087.30	15,339.32	103,267.57	366,929.02	7,184.29
10,232.14	9,085.51	3,413.83	22,342.38	86,576.24	785.30
828	518	451	1,247	2,818	134

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Warkworth	Wasaga Beach	Waterdown	Waterford	Waterloo
Population	515	507	1,787	1,968	17,323
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	33,552.82	141,626.78	100,525.41	101,137.38	1,434,784.84
Accumulated depreciation.....	8,064.58	33,068.26	23,598.86	24,195.19	268,497.50
Net fixed assets.....	25,488.24	108,558.52	76,926.55	76,942.19	1,166,287.34
CURRENT ASSETS					
Cash on hand and in bank.....	4,570.16	12,264.11	4,393.86	1,154.30	39,847.08
Investment in government securities.....	3,000.00	15,000.00	.....	.....	24,782.75
Accounts receivable.....	109.00	2,735.67	1,112.31	431.02	16,673.28
Total current assets.....	7,679.16	29,999.78	5,506.17	1,585.32	81,303.11
OTHER ASSETS					
Inventory of stores.....	.....	600.00	.....	.....	52,310.82
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous .....	.....	1,400.00	52.00	13,941.93	128.65
Total other assets.....	.....	2,000.00	52.00	13,941.93	52,439.47
Equity in Ontario Hydro systems.....	16,235.54	7,633.02	71,087.45	99,466.71	960,315.83
Total	49,402.94	148,191.32	153,572.17	191,936.15	2,260,345.75
LIABILITIES					
Debentures outstanding.....	.....	79,500.00	12,000.00	20,000.00	525,500.00
Accounts payable.....	25.09	930.55	.....	359.20	60,661.85
Other.....	113.68	350.00	253.88	584.15	14,100.00
Total liabilities.....	138.77	80,780.55	12,253.88	20,943.35	600,261.85
RESERVES					
Equity in Ontario Hydro systems.....	16,235.54	7,633.02	71,087.45	99,466.71	960,315.83
Other.....	.....	200.00	266.66	1,000.00	9,200.93
Total reserves.....	16,235.54	7,833.02	71,354.11	100,466.71	969,516.76
CAPITAL					
Debentures redeemed.....	11,000.00	30,500.00	11,000.00	7,745.53	230,500.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.....	22,028.63	29,077.75	58,964.18	62,780.56	507,179.17
Frequency standardization expense charged this year.....	.....	.....	.....	.....	47,112.03
Total capital.....	33,028.63	59,577.75	69,964.18	70,526.09	690,567.14
Total	49,402.94	148,191.32	153,572.17	191,936.15	2,260,345.75
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	12,645.32	47,955.71	50,251.98	45,247.16	679,442.32
Street lighting.....	631.97	2,491.56	2,670.66	2,391.30	27,472.26
Other.....	112.32	445.73	366.32	30.61	3,103.94
Total revenue.....	13,389.61	50,893.00	53,288.96	47,669.07	710,018.52
EXPENSE					
Power purchased.....	7,705.04	24,364.54	33,410.88	31,413.39	454,233.14
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	547.71	4,990.33	7,085.60	5,561.04	43,930.87
Administration.....	672.93	6,324.63	3,391.01	2,366.78	38,879.43
Fixed charges—interest and principal.....	.....	7,579.35	1,641.66	1,222.24	55,373.75
—depreciation.....	869.00	3,745.00	2,809.00	2,787.00	36,863.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	9,794.68	47,003.85	48,338.15	43,350.45	629,280.19
Net income or net expense.....	3,594.93	3,889.15	4,950.81	4,318.62	80,738.33
Number of customers.....	240	974	575	789	5,395

Statements for the Year Ended December 31, 1957

Watford	Waubashene	Welland	Wellesley	Wellington	West Lorne	Weston
1,159	(V.A.)	17,324	5,089	1,019	1,078	9,404
\$	\$	\$	\$	\$	\$	\$
80,628.76	40,097.75	1,488,103.14	38,635.18	61,469.18	97,928.59	858,348.23
23,811.98	5,966.92	305,124.47	5,293.91	23,091.84	25,831.58	155,968.10
56,816.78	34,130.83	1,182,978.67	33,341.27	38,377.34	72,097.01	702,380.13
4,704.62	244.22	16,877.19	2,590.18	3,196.65	10,853.71	105,071.47
13,000.00	.....	22,000.00	1,000.00	20,000.00	.....	.....
1,934.89	378.09	179,669.89	318.88	401.34	596.81	9,987.62
19,639.51	622.31	218,547.08	3,909.06	23,597.99	11,450.52	115,059.09
681.49	573.50	54,078.52	.....	2,946.27	1,718.14	26,899.96
35.65	15.87	1,654.61	.....	.....	67.20	10,043.03
717.14	589.37	55,733.13	.....	2,946.27	1,650.94	37,666.70
86,623.96	19,056.55	1,183,353.31	45,772.49	42,590.14	89,479.99	797,840.47
163,797.39	54,399.06	2,640,612.19	83,022.82	107,511.74	174,678.46	1,652,946.39
.....	.....	516,750.00	4,600.00	.....	.....	200,412.80
103.72	2,380.60	22,000.62	1,359.04	311.29	25.97	5,353.33
635.90	55.00	23,227.90	10.00	657.70	105.00	9,705.00
739.62	2,435.60	561,978.52	5,969.04	968.99	139.97	215,471.13
86,623.96	19,056.55	1,183,353.31	45,772.49	42,590.14	89,479.99	797,840.47
.....	27.46	1,900.72	169.63	.....	6.83	12,636.53
86,623.96	19,084.01	1,185,254.03	45,942.12	42,590.14	89,486.82	810,477.00
9,055.77	3,242.34	287,500.00	7,900.00	13,816.12	8,000.00	106,332.44
.....	.....	.....	.....	.....	.....	10,043.03
67,378.04	29,637.11	607,866.89	23,211.66	50,136.49	79,029.02	510,622.79
.....	.....	1,987.25	.....	.....	1,968.35	.....
76,433.81	32,879.45	893,379.64	31,111.66	63,952.61	85,060.67	626,998.26
163,797.39	54,399.06	2,640,612.19	83,022.82	107,511.74	174,678.46	1,652,946.39
51,413.79	17,824.95	686,679.26	19,832.31	27,726.78	54,413.47	431,669.07
1,446.04	757.57	27,303.45	1,285.78	1,423.20	2,452.30	14,518.14
632.09	75.75	2,412.75	31.33	860.79	3,029.43	4,535.99
53,491.92	18,658.27	716,395.46	21,149.42	30,010.77	59,895.20	450,723.20
37,849.83	9,517.06	474,494.16	13,778.78	20,070.04	38,231.52	286,516.99
3,546.11	2,514.97	83,184.37	1,844.08	4,016.33	4,737.36	33,559.16
5,973.87	1,723.65	59,997.70	1,177.42	3,226.12	5,204.78	35,785.10
.....	99.50	27,220.93	412.25	.....	.....	19,731.99
2,376.00	980.00	38,505.00	1,036.00	1,238.00	2,856.00	20,052.00
49,745.81	14,835.18	683,402.16	18,248.53	28,550.49	51,029.66	395,645.24
3,746.11	3,823.09	32,993.30	2,900.89	1,460.28	8,865.54	55,077.96
499	419	5,169	271	523	420	3,128

Municipal Electrical Utilities Financial

Southern Ontario System—Continued

Municipality.....	Westport	Wheatley	Whitby	Warton	Williamsburg
Population.....	654	1,232	8,600	1,953	340
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	33,545.87	122,069.07	701,078.69	104,903.55	20,978.95
Accumulated depreciation.....	4,402.95	18,263.06	123,435.37	12,184.00	5,017.57
Net fixed assets.....	29,142.92	103,806.01	577,643.32	92,719.55	15,961.38
CURRENT ASSETS					
Cash on hand and in bank.....	3,213.51	8,464.61	25,044.64	11,783.89	2,722.13
Investment in government securities..	7,000.00	10,000.00	10,000.00	24,000.00	15,000.00
Accounts receivable.....	.....	168.25	9,715.42	325.81	164.84
Total current assets.....	10,213.51	8,632.86	44,760.06	36,109.70	17,886.97
OTHER ASSETS					
Inventory of stores.....	.....	.....	25,607.94	210.81	43.40
Sinking fund on local debentures.....	.....	.....	.....	.....	.....
Miscellaneous.....	.....	151.00	.....	.....	.....
Total other assets.....	.....	151.00	25,607.94	210.81	43.40
Equity in Ontario Hydro systems.....	22,759.44	56,395.52	253,351.40	70,686.63	20,348.24
Total.....	62,115.87	168,985.39	901,362.72	199,726.69	54,239.99
LIABILITIES					
Debentures outstanding.....	.....	29,249.95	84,000.00	.....	.....
Accounts payable.....	.....	27.88	25,023.14	.....	444.00
Other.....	294.38	305.00	7,316.65	177.21	378.43
Total liabilities.....	294.38	29,582.83	116,339.79	177.21	822.43
RESERVES					
Equity in Ontario Hydro systems.....	22,759.44	56,395.52	253,351.40	70,686.63	20,348.24
Other.....	.....	.....	6,500.00	22.81	310.82
Total reserves.....	22,759.44	56,395.52	259,851.40	70,709.44	20,659.06
CAPITAL					
Debentures redeemed.....	15,000.00	22,750.05	92,612.50	37,400.00	2,750.00
Local sinking fund.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds...	24,062.05	60,256.99	432,559.03	91,440.04	30,008.50
Frequency standardization expense charged this year.....	.....	.....	.....	.....	.....
Total capital.....	39,062.05	83,007.04	525,171.53	128,840.04	32,758.50
Total.....	62,115.87	168,985.39	901,362.72	199,726.69	54,239.99
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	16,903.63	45,682.22	393,357.63	54,134.55	7,866.64
Street lighting.....	973.91	2,849.88	11,607.91	3,234.03	692.94
Other.....	438.88	19.34	2,479.87	874.19	543.85
Total revenue.....	18,316.42	48,551.44	407,445.41	58,242.77	9,103.43
EXPENSE					
Power purchased.....	9,814.97	28,077.02	234,828.55	38,464.29	7,581.82
Local generation.....	.....	.....	.....	.....	.....
Operation and maintenance.....	1,520.29	3,362.15	25,245.24	8,719.17	508.34
Administration.....	2,588.79	4,248.60	36,334.15	4,822.03	764.65
Fixed charges—interest and principal.....	.....	3,541.09	11,451.00	.....	.....
—depreciation.....	840.00	2,953.00	17,310.00	2,466.00	587.00
—other.....	.....	.....	.....	.....	.....
Total expense.....	14,764.05	42,181.86	325,168.94	54,471.49	9,441.81
Net income or net expense.....	3,552.37	6,369.58	82,276.47	3,771.28	338.38
Number of customers.....	278	462	2,910	746	145

Statements for the Year Ended December 31, 1957

Winchester	Windermere	Windsor	Wingham	Woodbridge	Woodstock
1,314	126	120,551	2,788	2,096	18,422
\$ 86,097.51 16,348.26	\$ 26,203.57 7,986.47	\$ 10,638,659.59 3,226,021.32	\$ 247,946.78 73,691.62	\$ 141,134.23 28,738.25	\$ 1,624,301.33 405,204.96
69,749.25	18,217.10	7,412,638.27	174,255.16	112,395.98	1,219,096.37
20,577.47	7,513.46	1,500.00	36,067.06	33,664.77	19,172.27
340.26	5,400.00	2,854,225.14	35,000.00	115.34	133,000.00
	194.02	529,425.47	121.16		15,586.89
20,917.73	13,107.48	3,385,150.61	71,188.22	33,780.11	167,759.16
		275,144.78	9,361.10		988.22
		162,592.95			7,926.85
2,000.00	400.00	515.30	1,817.67		
2,000.00	400.00	438,253.03	11,178.77		8,915.07
74,251.30	10,509.02	10,324,431.26	148,636.78	137,462.03	1,378,171.06
166,918.28	42,233.60	21,560,473.17	405,258.93	283,638.12	2,773,941.66
18,000.08		190,000.00		14,000.00	144,314.34
395.07	225.75	997,638.57	235.68	2,181.25	15,295.70
10.00		164,856.79	2,966.00	2,319.60	16,541.43
18,405.15	225.75	1,352,495.36	3,201.68	18,500.85	176,151.47
74,251.30	10,509.02	10,324,431.26	148,636.78	137,462.03	1,378,171.06
	90.00	247,704.18	118.17	824.59	9,655.00
74,251.30	10,599.02	10,572,135.44	148,754.95	138,286.62	1,387,826.06
11,205.98	11,237.65	2,393,832.05	81,155.39	9,499.97	283,071.29
		162,592.95			
63,055.85	20,171.18	7,079,417.37	172,146.91	117,350.68	939,451.50
					12,558.66
74,261.83	31,408.83	9,635,842.37	253,302.30	126,850.65	1,209,964.13
166,918.28	42,233.60	21,560,473.17	405,258.93	283,638.12	2,773,941.66
49,980.46	8,450.35	4,060,348.90	105,913.26	111,514.04	855,356.59
1,451.91	407.16	194,626.21	3,017.03	2,323.44	26,727.10
265.07	176.40	157,286.52	3,619.18	25.54	4,753.38
51,697.44	9,033.91	4,412,261.63	112,549.47	113,863.02	886,837.07
36,219.65	3,538.83	2,715,284.66	64,696.90	77,717.95	540,098.23
			2,146.93		
2,452.34	708.53	651,125.49	8,366.45	3,463.83	80,168.45
2,950.61	739.47	387,280.09	10,783.42	5,725.78	44,258.21
1,537.52		17,175.59		1,150.93	36,698.68
2,232.00	823.00	297,359.00	7,568.00	3,669.00	44,217.00
	90.00				
45,392.12	5,899.83	4,068,224.83	93,561.70	91,727.49	745,440.57
6,305.32	3,134.08	344,036.80	18,987.77	22,135.53	141,396.50
525	116	37,058	1,029	724	6,250

Municipal Electrical Utilities Financial

Southern Ontario System—Concluded

Municipality.....	Woodville	Wyoming	York Twp.	Zurich	TOTAL SOUTHERN ONTARIO SYSTEM
Population.....	431	822	117,503	632	
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	22,652.60	49,887.77	5,843,364.82	35,935.47	313,086,643.15
Accumulated depreciation.....	4,139.35	12,719.16	1,590,207.02	5,790.33	65,766,062.02
Net fixed assets.....	18,513.25	37,168.61	4,253,157.80	30,145.14	247,320,581.13
CURRENT ASSETS					
Cash on hand and in bank.....	1,387.33	6,317.71	520,411.31	4,387.01	9,965,253.73
Investment in government securities.....	.....	1,400.00	554,000.00	.....	13,217,685.47
Accounts receivable.....	221.44	1,682.29	209,660.14	17.63	12,063,848.81
Total current assets.....	1,608.77	9,400.00	1,284,071.45	4,404.64	35,246,788.01
OTHER ASSETS					
Inventory of stores.....	.....	.....	97,760.62	.....	9,071,568.72
Sinking fund on local debentures.....	.....	.....	.....	.....	561,622.08
Miscellaneous.....	.....	693.76	696.78	10.00	1,865,092.94
Total other assets.....	.....	693.76	98,457.40	10.00	11,498,283.74
Equity in Ontario Hydro systems.....	28,037.99	29,293.98	3,104,939.42	41,546.94	189,363,804.67
Total	48,160.01	76,556.35	8,740,626.07	76,106.72	483,429,457.55
LIABILITIES					
Debentures outstanding.....	.....	.....	.....	.....	60,983,362.23
Accounts payable.....	1,364.71	86.62	243,933.77	468.43	10,796,405.99
Other.....	10.00	82.50	364,830.67	.....	3,817,290.06
Total liabilities.....	1,374.71	169.12	608,764.44	468.43	75,597,058.28
RESERVES					
Equity in Ontario Hydro systems.....	28,037.99	29,293.98	3,104,939.42	41,546.94	189,363,804.67
Other.....	477.63	64.35	53,374.81	.....	5,138,273.14
Total reserves.....	28,515.62	29,358.33	3,158,314.23	41,546.94	194,502,077.81
CAPITAL					
Debentures redeemed.....	5,248.09	9,700.00	489,374.65	5,591.61	69,593,921.80
Local sinking fund.....	.....	.....	.....	.....	561,622.08
Accumulated net income invested in plant or held as working funds...	13,021.59	37,328.90	4,484,172.75	28,499.74	143,735,015.16
Frequency standardization expense charged this year.....	.....	.....	.....	.....	560,237.58
Total capital.....	18,269.68	47,028.90	4,973,547.40	34,091.35	213,330,321.46
Total	48,160.01	76,556.35	8,740,626.07	76,106.72	483,429,457.55
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	11,743.40	23,622.76	2,788,418.89	19,911.16	140,276,183.56
Street lighting.....	876.60	981.41	101,162.86	1,119.84	4,175,879.39
Other.....	14.64	199.00	34,048.08	46.80	1,523,342.84
Total revenue	12,634.64	24,803.17	2,923,629.83	21,077.80	145,975,405.79
EXPENSE					
Power purchased.....	8,162.33	13,928.58	1,870,533.57	13,794.25	88,221,460.94
Local generation.....	.....	.....	.....	.....	549,296.11
Operation and maintenance.....	994.30	1,282.22	248,655.07	1,278.30	13,640,304.07
Administration.....	808.99	1,206.31	258,797.26	2,031.53	11,452,676.98
Fixed charges—interest and principal.....	49.50	35.93	.....	6.69	5,240,724.81
—depreciation.....	581.00	1,446.00	167,510.00	899.00	8,060,940.30
—other.....	.....	.....	2,788.42	.....	44,729.53
Total expense	10,596.12	17,899.04	2,548,284.32	18,009.77	127,210,132.74
Net income or net expense	2,038.52	6,904.13	375,345.51	3,068.03	18,765,273.05
Number of customers.....	181	305	37,584	283	1,127,883

Statements for the Year Ended December 31, 1957

Northern Ontario Properties

Atikokan Twp.	Cache Bay	Capreol	Chapleau Twp.	Cochrane	Coniston
6,961	845	2,564	3,496	3,753	2,493
\$ 431,366.96 40,161.70	\$ 48,279.65 6,474.00	\$ 143,679.76 23,061.41	\$ 114,754.99 3,795.67	\$ 341,551.32 49,317.07	\$ 78,934.90 7,017.12
391,205.26	41,805.65	120,618.35	110,959.32	292,234.25	71,917.78
123,576.86	5,183.18	7,072.01	100.00	37,139.44	1,161.49
9,531.71	7,922.50 757.92	598.68	2,381.54	4,265.87	17,416.48
133,108.57	13,863.60	7,670.69	2,481.54	41,405.31	18,577.97
1,232.00			6,430.68	10,834.45 642.34	2,647.86
1,232.00 9,249.01			6,430.68	11,476.79	2,647.86
534,794.84	55,669.25	128,289.04	119,871.54	345,116.35	93,143.61
388,000.00	14,000.00	39,500.00	107,000.00	114,750.00	48,500.00
10,464.48	28.00	1,871.26	9,080.21	15,045.62	4,073.35
27,280.08	620.00	1,119.00	1,150.00	10,578.17	5,970.00
425,744.56	14,648.00	42,490.26	117,230.21	140,373.79	58,543.35
9,249.01 12,150.00	74.57	204.28	438.95	496.21	1,332.54
21,399.01	74.57	204.28	438.95	496.21	1,332.54
12,000.00	14,000.00	29,500.00	8,000.00	30,250.00	1,500.00
75,651.27	26,946.68	56,094.50	5,797.62	173,996.35	31,767.72
87,651.27	40,946.68	85,594.50	2,202.38	204,246.35	33,267.72
534,794.84	55,669.25	128,289.04	119,871.54	345,116.35	93,143.61
220,600.87	29,653.23	82,232.23	121,082.88	148,491.07	41,194.27
3,847.88	911.05	3,611.86	2,652.84	5,916.28	2,344.28
2,017.61	185.22	83.05	381.59	323.34	14.00
226,466.36	30,749.50	85,927.14	124,117.31	154,730.69	43,552.55
109,364.27	19,124.70	54,381.17	89,390.29	74,224.48	25,811.37
10,772.48	942.29	6,244.93	7,101.43	21,346.42	3,995.96
34,040.62	2,054.67	9,240.09	8,483.17	19,887.39	4,124.35
30,427.62	2,645.00	3,971.25	8,222.43	13,350.00	3,875.00
9,057.00	1,113.00	3,445.12	2,066.69	7,756.07	1,759.62
193,661.99	25,879.66	77,282.56	115,264.01	136,564.36	39,566.30
32,804.37	4,869.84	8,644.58	8,853.30	18,166.33	3,986.25
1,875	201	847	922	1,216	623

Municipal Electrical Utilities Financial

Northern Ontario Properties—Continued

Municipality.....	Dryden	Fort William	Hearst	Kapuskasing	Larder Lake Twp.
Population.....	4,767	40,287	2,193	5,805	1,989
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	317,992.05	2,911,379.31	221,705.10	307,893.78	60,918.27
Accumulated depreciation.....	73,326.06	586,738.72	26,633.91	12,513.07	17,861.53
Net fixed assets.....	244,665.99	2,324,640.59	195,071.19	295,380.71	43,056.74
CURRENT ASSETS					
Cash on hand and in bank.....	10,632.16	70,084.57	24,615.48	31,055.53	5,595.89
Investment in government securities.....		270,800.00	40,000.00		
Accounts receivable.....	12,737.36	124,207.85	629.72	11,391.42	483.34
Total current assets.....	23,369.52	465,092.42	65,245.20	42,446.95	6,079.23
OTHER ASSETS					
Inventory of stores.....	9,126.29	148,014.51		10,564.16	
Sinking fund on local debentures.....					
Miscellaneous.....		5,464.86	291.66	1,424.47	
Total other assets.....	9,126.29	153,479.37	291.66	11,988.63	
Equity in Ontario Hydro systems.....	26,717.16	3,693,295.59			
Total	303,878.96	6,636,507.97	260,608.05	349,816.29	49,135.97
LIABILITIES					
Debentures outstanding.....	83,858.31	319,000.00	95,400.00	51,472.14	9,700.00
Accounts payable.....	7,634.60	102,599.19	747.50	23,651.50	1,178.27
Other.....	13,299.61	68,803.27	4,991.01	9,095.50	5,986.22
Total liabilities.....	104,792.52	490,402.46	101,138.51	84,219.24	16,864.49
RESERVES					
Equity in Ontario Hydro systems.....	26,717.16	3,693,295.59			
Other.....	2,606.32	4,000.34	5,004.30	391.98	150.63
Total reserves.....	29,323.48	3,697,295.93	5,004.30	391.98	150.63
CAPITAL					
Debentures redeemed.....	42,571.69	495,209.11	44,600.00	39,007.18	8,300.00
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds...	127,191.27	1,953,600.47	109,865.24	226,197.89	23,820.85
Frequency standardization expense charged this year.....					
Total capital.....	169,762.96	2,448,809.58	154,465.24	265,205.07	32,120.85
Total	303,878.96	6,636,507.97	260,608.05	349,816.29	49,135.97
B OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	183,252.86	1,452,908.68	88,960.43	166,532.62	39,657.50
Street lighting.....	8,602.17	60,413.99	1,625.50	8,443.14	1,627.38
Other.....		25,731.36	1,691.66	1,286.75	
Total revenue	191,855.03	1,539,054.03	92,277.59	176,262.51	41,284.88
EXPENSE					
Power purchased.....	97,932.28	963,088.01	47,311.00	119,154.06	28,234.43
Local generation.....					
Operation and maintenance.....	20,349.08	135,267.54	6,046.70	12,487.04	3,607.52
Administration.....	15,197.02	89,240.59	8,835.37	20,448.04	4,524.51
Fixed charges—interest and principal.....	5,875.56	30,830.00	10,148.00	8,031.98	1,612.00
—depreciation.....	8,187.00	76,656.00	3,818.70	5,725.79	1,897.81
—other.....	4,295.00				
Total expense	151,835.94	1,295,082.14	76,159.77	165,846.91	39,876.27
Net income or net expense	40,019.09	243,971.89	16,117.82	10,415.60	1,408.61
Number of customers.....	1,486	12,510	738	1,643	561

Statements for the Year Ended December 31, 1957

Latchford 502	Massey 1,200	McGarry 2,976	Nipigon Twp. 2,502	North Bay 22,001	Port Arthur 38,316
\$ 26,068.02 3,953.10	\$ 63,464.32 1,625.14	\$ 65,923.76 11,090.21	\$ 124,458.32 20,181.45	\$ 1,328,847.62 291,850.82	\$ 3,794,179.69 1,385,549.12
22,114.92	61,839.18	54,833.55	104,276.87	1,036,996.80	2,408,630.57
7,088.85	8,163.70	548.39	10,213.19	10,073.32	267,691.91
91.02	1,022.45	139.71	20,000.00	22,499.02	433,000.00
			3,576.56		164,531.33
7,179.87	9,186.15	688.10	33,789.75	32,572.34	865,223.24
			11.80	49,437.31	173,275.25
		465.55		6,280.12	2,633.79
		465.55	11.80	55,717.43	175,909.04
			65,602.63		7,035,001.47
29,294.79	71,025.33	55,987.20	203,681.05	1,125,286.57	10,484,764.32
.....	41,100.00	8,000.00	.....	294,000.00	.....
62.12	163.76	1,002.15	217.48	34,191.74	144,599.49
345.00	885.00	5,661.80	1,910.60	126,403.98	.....
407.12	42,148.76	14,663.95	2,128.08	454,595.72	144,599.49
.....	.....	.....	65,602.63	.....	7,035,001.47
38.80	.....	.....	.....	21,327.59	350,687.78
38.80	.....	.....	65,602.63	21,327.59	7,385,689.25
20,000.00	3,900.00	6,000.00	10,000.00	266,157.68	626,317.40
.....
8,848.87	24,976.57	35,323.25	125,950.34	383,205.58	2,328,158.18
.....
28,848.87	28,876.57	41,323.25	135,950.34	649,363.26	2,954,475.58
29,294.79	71,025.33	55,987.20	203,681.05	1,125,286.57	10,484,764.32
12,260.11	32,153.38	46,820.47	62,327.12	727,156.59	1,491,162.66
526.47	1,601.28	1,881.35	2,909.42	24,580.67	47,614.56
.....	.....	.....	1,594.73	526.97	4,908.91
12,786.58	33,754.66	48,701.82	66,831.27	752,264.23	1,543,686.13
4,273.50	9,691.88	34,598.67	33,594.59	464,584.39	1,089,631.63
.....	.....	.....	.....	.....	26,474.46
948.83	3,605.35	2,525.90	7,901.95	61,973.18	144,381.14
904.51	3,358.14	5,098.68	6,632.17	84,925.54	93,356.07
.....	3,950.00	1,363.15	.....	27,924.74	.....
630.61	1,152.91	1,649.78	2,911.00	35,774.17	57,443.09
.....	.....	.....	.....	.....	4,500.00
6,757.45	21,758.28	45,236.18	51,039.71	675,182.02	1,415,786.39
6,029.13	11,996.38	3,465.64	15,791.56	77,082.21	127,899.74
156	324	489	675	6,715	12,306

Municipal Electrical Utilities Financial

Northern Ontario Properties—Concluded

Municipality.....	Red Rock	Schreiber Twp.	Sioux Lookout	Sturgeon Falls	Sudbury
Population.....	1,810	2,008	2,311	5,826	47,701
A. BALANCE SHEETS					
FIXED ASSETS	\$	\$	\$	\$	\$
Plant and facilities at cost.....	91,654.09	115,055.82	184,536.71	231,891.54	3,271,033.53
Accumulated depreciation.....	12,456.44	14,308.70	17,762.74	39,609.76	486,907.38
Net fixed assets.....	79,197.65	100,747.12	166,773.97	192,281.78	2,784,126.15
CURRENT ASSETS					
Cash on hand and in bank.....	175.35	15,241.53	25.00	7,139.47	171,527.11
Investment in government securities.....		15,000.00	5,000.00	50,000.00	50,000.00
Accounts receivable.....	859.16	752.57	3,180.94	10,956.17	109,060.28
Total current assets.....	1,034.51	30,994.10	8,205.94	68,095.64	330,587.39
OTHER ASSETS					
Inventory of stores.....			7,892.64		94,032.65
Sinking fund on local debentures.....					
Miscellaneous.....	1,738.30		219.00	516.76	2,073.39
Total other assets.....	1,738.30		8,111.64	516.76	96,106.04
Equity in Ontario Hydro systems.....	22,882.56	27,423.59			
Total.....	104,853.02	159,164.81	183,091.55	260,894.18	3,210,819.58
LIABILITIES					
Debentures outstanding.....	18,200.00	3,000.00		91,000.00	307,414.02
Accounts payable.....	718.62	702.23	14,958.75	1,346.81	49,378.29
Other.....	70.00		4,782.48	9,617.26	79,999.96
Total liabilities.....	18,988.62	3,702.23	19,741.23	101,964.07	436,792.27
RESERVES					
Equity in Ontario Hydro systems.....	22,882.56	27,423.59			
Other.....				4,776.09	116,513.21
Total reserves.....	22,882.56	27,423.59		4,776.09	116,513.21
CAPITAL					
Debentures redeemed.....	13,000.00	47,000.00		9,000.00	709,924.51
Local sinking fund.....					
Accumulated net income invested in plant or held as working funds.....	49,981.84	81,038.99	163,350.32	145,154.02	1,947,589.59
Frequency standardization expense charged this year.....					
Total capital.....	62,981.84	128,038.99	163,350.32	154,154.02	2,657,514.10
Total.....	104,853.02	159,164.81	183,091.55	260,894.18	3,210,819.58
B. OPERATING STATEMENTS					
REVENUE					
Domestic, commercial, power.....	34,937.50	50,020.91	102,884.58	124,033.59	1,580,004.08
Street lighting.....	1,292.23	3,309.48	6,240.74	5,510.99	84,738.21
Other.....	1,382.99	1,087.16	2,351.78	1,669.93	7,464.35
Total revenue.....	37,612.72	54,417.55	111,477.10	131,214.51	1,672,206.64
EXPENSE					
Power purchased.....	20,086.68	26,468.94	69,752.31	67,441.59	875,171.10
Local generation.....					
Operation and maintenance.....	2,494.28	4,907.77	7,205.86	19,323.54	214,930.86
Administration.....	3,085.80	6,835.76	13,099.43	18,945.50	152,231.87
Fixed charges—interest and principal.....	2,088.78	1,681.00	845.31	7,898.15	69,921.41
—depreciation.....	2,173.00	2,637.00	4,036.00	5,662.09	79,499.96
—other.....					
Total expense.....	29,928.54	42,530.47	94,938.91	119,270.87	1,391,755.20
Net income or net expense.....	7,684.18	11,887.08	16,538.19	11,943.64	280,451.44
Number of customers.....	321	589	928	1,503	15,480

Statements for the Year Ended December 31, 1957

Terrace Bay 1,809	Thessalon 1,712	Webbwood 525	West Ferris Twp. 3,907	TOTAL NORTHERN ONTARIO PROPERTIES	TOTAL ALL SYSTEMS
\$ 155,975.23 25,319.00	\$ 77,934.37 19,557.61	\$ 34,816.52 1,049.81	\$ 295,035.36 30,899.58	\$ 14,839,330.99 3,209,021.12	\$ 327,925,974.14 68,975,083.14
130,656.23	58,376.76	33,766.71	264,135.78	11,630,309.87	258,950,891.00
11,348.38	25,796.37	2,471.28	921.49	854,641.95	10,819,895.68
65,000.00	.....	.....	.....	956,722.50	14,174,407.97
971.21	3,250.08	629.85	4,151.46	510,073.70	12,573,922.51
77,319.59	29,046.45	3,101.13	5,072.95	2,321,438.15	37,568,226.16
.....	.....	.....	2,178.00	508,014.92	9,579,583.64
.....	.....	.....	.....	.....	561,622.08
.....	76.48	.....	.....	29,489.40	1,894,582.34
.....	76.48	.....	2,178.00	537,504.32	12,035,788.06
49,259.35	.....	.....	.....	10,929,431.36	200,293,236.03
257,235.17	87,499.69	36,867.84	271,386.73	25,418,683.70	508,848,141.25
50,700.00	61,000.00	27,403.65	159,000.00	2,331,998.12	63,315,360.35
.....	1,175.07	220.70	5,387.94	430,499.23	11,226,905.22
.....	2,473.48	177.50	8,726.49	389,946.41	4,207,236.47
50,700.00	64,648.55	27,801.85	173,114.43	3,152,443.76	78,749,502.04
49,259.35	.....	.....	.....	10,929,431.36	200,293,236.03
.....	137.42	.....	245.30	520,576.31	5,658,849.45
49,259.35	137.42	.....	245.30	11,450,007.67	205,952,085.48
27,300.00	4,000.00	2,596.35	23,500.00	2,493,633.92	72,087,555.72
.....	.....	.....	.....	.....	561,622.08
129,975.82	18,713.72	6,469.64	74,527.00	8,322,598.35	152,057,613.51
.....	.....	.....	.....	.....	560,237.58
157,275.82	22,713.72	9,065.99	98,027.00	10,816,232.27	224,146,553.73
257,235.17	87,499.69	36,867.84	271,386.73	25,418,683.70	508,848,141.25
57,605.58	45,801.72	12,667.81	160,024.79	7,114,427.53	147,390,611.09
3,322.56	2,696.76	821.56	2,131.12	289,173.77	4,465,053.16
2,262.09	488.42	.....	1,429.37	56,881.28	1,580,224.12
63,190.23	48,986.90	13,489.37	163,585.28	7,460,482.58	153,435,888.37
33,298.38	21,986.39	3,930.95	78,101.36	4,460,628.42	92,682,089.36
.....	.....	.....	.....	26,474.46	575,770.57
2,194.33	5,885.14	2,542.70	13,300.62	722,282.84	14,362,586.91
4,768.06	8,506.12	1,819.84	14,263.19	633,906.50	12,086,583.48
5,879.31	4,863.22	2,616.64	16,096.35	264,116.90	5,504,841.71
3,710.00	2,117.29	609.38	6,575.10	328,064.18	8,389,004.48
.....	.....	.....	.....	8,795.00	53,524.53
49,850.08	43,358.16	11,519.51	128,336.62	6,444,268.30	133,654,401.04
13,340.15	5,628.74	1,969.86	35,248.66	1,016,214.28	19,781,487.33
398	479	134	1,455	64,574	1,192,357

INTRODUCTION TO STATEMENT "C" AND STATEMENT "D"**STATEMENT "C"**

Statement "C" is the schedule of resale rates for domestic, commercial, and power service in the municipal distribution systems supplied by the Commission. Whenever revisions now become necessary, the rates of the utilities are being adjusted to the revised rate structures introduced in 1956.

Description of Classes of Service

Domestic rates are applicable to all electrical service for household purposes, with the exception of house heating and flat-rate water-heaters. The account for normal domestic service consists of specified blocks of kilowatt-hours per month with suitable rates for each block. The account is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. For comparative purposes, net monthly bills are shown for metered energy consumptions of 100, 300, and 500 kilowatt-hours per month.

The customer may choose to pay at regular rates for energy used in electric water-heaters by including his water-heater with his metered load. The water-heater rates shown in Statement "C", however, are applicable to unmetered flat-rate service. The account consists of a monthly rate per 100 watts of heater capacity. The flat-rate water-heater load in many municipalities is subject to peak-load control by the utility.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, restaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. In most municipalities on the new rate structures, commercial-type customers having connected loads of less than five kilowatts are billed at domestic rates. Otherwise commercial accounts consist of a monthly demand rate (with a minimum) applied to the customer's billing demand, plus an energy rate per kilowatt-hour. The energy rate, depending on whether the old or the new rate structures are in effect, is applied either to one or to two blocks of kilowatt-hours based on 100 hours' monthly use of the billing demand, all remaining monthly kilowatt-hours being billed at a final energy rate. For example, a commercial service customer under the new rate structure and with a demand of five kilowatts is billed for 500 kilowatt-hours at the first energy rate, while a customer with a demand of ten kilowatts is billed for 1,000 kilowatt-hours at the first energy rate. The account is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. The net monthly bills shown are calculated on the basis of a demand of one kilowatt for a use per month of 100, 200, and 300 hours. The corresponding bill for a demand of ten kilowatts for the same number of hours' use would be ten times the amounts shown, and for x kilowatts would be x times the amounts shown.

The rates for power service are for 24-hour unrestricted power at secondary distribution voltage. Like the domestic and commercial service rates, they cover retail supply to customers of the municipal utilities and local systems. They do not apply to certain power customers served directly by the Commission.

The power service account, like the commercial service account, consists of a monthly demand rate applied to the customer's billing demand, plus an energy rate for a first block of kilowatt-hours based on a specified number of hours' monthly use of the billing demand, plus a second energy rate for a second block of kilowatt-hours similarly calculated, all remaining monthly kilowatt-hours being billed at a third energy rate. The old rate structure allowed for 50 hours' use at each of the first two rates; the new structure allows for 100 hours' use at each of the first two rates. The account is subject to a prompt payment discount of 10 per cent. Customers providing their own step-down transformation are granted on the basis of their billing demand an allowance of 27¢ per kilowatt per month gross for service at subtransmission voltage and 17¢ per kilowatt per month gross for service at primary distribution voltage. The net monthly bills shown are calculated on the same basis as for commercial service.

STATEMENT "D"

Statement "D" records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The revenue and estimated consumption from the use of flat-rate water-heaters are included in the totals shown.

With the introduction of the new rate structures there may be a shift of a substantial group of customers with small connected loads from commercial service rates to domestic service rates. For statistical purposes they will thereafter be included in the domestic service group. If such a shift during the year under review materially distorts the calculated averages of consumption and cost per customer, these averages are omitted.

The average cost per kilowatt-hour shown is the average cost to the customer, that is, the average revenue per kilowatt-hour received by the utility. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems combined may be seen in the table on page 94 and the graph on page 95. Other things being equal, the average cost per kilowatt-hour would rise with an increase in rates. Consumption per customer, however, is continuously increasing and domestic customers, in particular, are using an ever-increasing variety of electrical appliances, including flat-rate water-heaters. Such increased use will be billed at the low rates applicable to higher-consumption blocks of kilowatt-hours and will therefore be reflected in a lower average cost per kilowatt-hour.

For power service customers, the relationship between demand and energy is an important factor in establishing the individual's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour.

Municipal Electrical RATES AND TYPICAL BILLS in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Acton.....	45	60	3.2	..	..	1.3	2.20	4.54	6.88
Ailsa Craig.....	51	60	3.2	..	..	1.2	2.16	4.32	6.48
Ajax.....	39	60	4.0	..	..	1.5	2.70	5.40	8.10
Alexandria.....	44	60	2.6	..	..	1.0	1.76	3.56	5.36
Alfred.....	45	60	5.0	..	..	2.0	3.42	7.02	10.62
Alliston.....	43	60	3.1	..	..	1.0	2.03	3.83	5.63
Almonte.....	37	60	2.5	..	..	1.0	1.71	3.51	5.31
Alvinston.....	54	60	3.5	..	..	1.0	2.25	4.05	5.85
Amherstburg.....	51	60	3.5	..	..	1.2	2.32	4.48	6.64
Ancaster Twp. (including Ancaster) ..	43	60	4.2	..	..	1.2	2.70	4.86	7.02
Apple Hill.....	56	60	4.0	..	..	1.0	2.52	4.32	6.12
Arkona.....	43	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Arnprior.....	38	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Arthur.....	43	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Athens.....	40	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Atikokan Twp.....	40	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Aurora.....	42	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Aylmer.....	45	60	2.5	..	..	1.0	1.71	3.51	5.31
Ayr.....	44	60	2.9	..	..	1.0	1.93	3.73	5.53
Baden.....	42	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
†Bala.....	36	a50	3.7	..	..	1.2	2.50	4.96	7.12
Bancroft.....	53	60	3.5	..	..	1.3	2.36	4.70	7.04
Barrie.....	40	60	2.4	..	..	1.0	1.66	3.46	5.26
Barry's Bay.....	47	60	4.7	..	..	1.6	3.11	5.99	8.87
Bath.....	40	60	3.5	..	..	1.2	2.32	4.48	6.64
Beachville.....	46	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Beamsville.....	43	60	2.7	..	..	1.2	1.89	4.05	6.21
†Beardmore.....	43	60	4.4	..	..	1.5	2.92	5.62	8.32
Beaverton.....	45	60	2.8	..	..	1.2	1.94	4.10	6.26
Beeton.....	50	60	3.8	..	..	1.2	2.48	4.64	6.80
Belle River.....	45	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Belleville.....	35	60	1.8	..	..	0.8	1.26	2.70	4.14
Blenheim.....	48	60	2.9	..	..	1.2	2.00	4.16	6.32
†Blind River.....	50	60	4.0	..	..	1.5	2.70	5.40	8.10
Bloomfield.....	54	60	2.5	..	..	0.9	1.67	3.29	4.91
Blyth.....	47	60	2.9	..	..	1.1	1.96	3.94	5.92
Bobcaygeon.....	40	60	3.4	..	..	1.2	2.27	4.43	6.59
Bolton.....	46	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Bothwell.....	52	60	2.6	..	..	1.0	1.76	3.56	5.36
Bowmanville.....	40	60	3.0	..	..	1.0	1.98	3.78	5.58

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	\$	\$	\$	
2.7	..	1.2	2.88	3.96	5.04	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.7	..	1.0	2.88	3.78	4.68	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.5	..	1.3	3.60	4.77	5.94	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.2	..	0.8	2.43	3.15	3.87	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
4.5	..	2.0	4.50	6.30	8.10	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.6	..	1.0	2.79	3.69	4.59	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.3	..	1.0	2.52	3.42	4.32	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.0	..	0.9	3.15	3.96	4.77	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.9	..	0.8	3.06	3.78	4.50	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.6	..	1.0	3.69	4.59	5.49	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
² 2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.06	3.51	3.81
² 1.9	0.8	0.5	2.16	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
² 2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
² 1.5	0.8	0.5	1.80	2.52	2.97	1.00	..	1.0	..	0.5	0.33	1.80	2.25	2.55
² 3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
² 1.9	0.8	0.5	2.16	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
2.0	..	0.7	2.25	2.88	3.51	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.4	..	0.9	2.61	3.42	4.23	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
² 2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
3.7	..	0.8	3.78	4.50	5.22	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.0	..	1.2	3.15	4.23	5.31	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.0	..	0.8	2.25	2.97	3.69	1.00	1.4	..	0.9	..	0.25	1.93	2.16	2.38
4.0	..	1.5	4.05	5.40	6.75	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
3.0	..	1.2	3.15	4.23	5.31	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
² 2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
2.3	..	1.1	2.52	3.51	4.50	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
3.9	..	1.5	3.96	5.31	6.66	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.2	..	1.0	2.43	3.33	4.23	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.4	..	1.2	3.51	4.59	5.67	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
² 3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.2	..	0.5	0.33	2.88	3.33	3.63
1.6	..	0.6	1.89	2.43	2.97	1.00	1.3	..	0.8	..	0.25	1.84	2.07	2.29
2.4	..	1.1	2.61	3.60	4.59	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
3.5	..	1.5	3.60	4.95	6.30	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.3	..	0.7	2.52	3.15	3.78	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.4	..	1.1	2.61	3.60	4.59	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.9	..	1.0	3.06	3.96	4.86	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
² 3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
2.1	..	0.7	2.34	2.97	3.60	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.4	..	0.8	2.61	3.33	4.05	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79

Municipal Electrical RATES AND TYPICAL BILLS in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Bracebridge.....	40	60	3.0	..	..	1.2	2.05	4.21	6.37
Bradford.....	40	45	4.2	..	..	1.0	2.20	4.00	5.80
Braeside.....	49	50	4.0	..	..	1.3	2.38	4.72	7.06
Brampton.....	45	60	2.5	..	..	1.2	1.78	3.94	6.10
Brantford.....	44	60	2.2	..	..	1.2	1.62	3.78	5.94
°Brantford Twp.....	43	60	4.5	..	..	1.8	3.08	6.32	9.56
Brechin.....	45	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Bridgeport.....	42	60	3.3	..	..	1.2	2.21	4.37	6.53
Brigden.....	53	60	3.0	..	..	0.9	1.94	3.56	5.18
Brighton.....	42	60	3.6	..	..	1.1	2.34	4.32	6.30
Brockville.....	38	60	2.0	..	..	1.0	1.44	3.24	5.04
Bronte.....	43	60	3.0	..	..	1.5	2.16	4.86	7.56
Brussels.....	49	60	3.2	..	..	1.0	2.09	3.89	5.69
Burford.....	43	50	3.4	1.7	1.0	1.4	2.29	5.04	6.84
Burgessville.....	52	60	4.0	..	..	1.0	2.52	4.32	6.12
Burk's Falls.....	47	60	4.0	..	..	1.4	2.66	5.18	7.70
Burlington.....	40	60	3.1	..	..	1.2	2.11	4.27	6.43
Cache Bay.....	45	60	5.0	..	..	1.5	3.24	5.94	8.64
Caledonia.....	43	60	2.4	..	..	1.2	1.73	3.89	6.05
Campbellville.....	50	60	3.0	..	..	1.3	2.09	4.43	6.77
Cannington.....	48	60	3.2	..	..	1.0	2.09	3.89	5.69
Capreol.....	43	60	3.5	..	..	1.3	2.36	4.70	7.04
Cardinal.....	40	55	2.8	..	..	1.1	1.83	3.81	5.79
Carleton Place.....	40	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Casselman.....	42	50	4.2	2.1	1.2	1.6	2.83	6.21	8.37
Cayuga.....	42	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Chalk River.....	40	50	4.2	2.1	1.2	1.6	2.83	6.21	8.37
Chapleau Twp.....	..	60	9.0	..	..	4.0	6.30	13.50	20.70
Chatham.....	48	60	3.8	..	..	1.4	2.56	5.08	7.60
Chatsworth.....	46	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Chesley.....	45	60	2.7	..	..	1.0	1.82	3.62	5.42
Chesterville.....	44	60	2.7	..	..	1.1	1.85	3.83	5.81
Chippawa.....	40	60	3.1	..	..	1.4	2.18	4.70	7.22
Clifford.....	48	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Clinton.....	46	60	3.1	..	..	1.2	2.11	4.27	6.43
†Cobalt.....	42	60	4.2	..	..	1.5	2.81	5.51	8.21
Cobden.....	36	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Cobourg.....	44	60	2.9	..	..	1.4	2.07	4.59	7.11
Cochrane.....	42	60	3.4	..	..	1.5	2.38	5.08	7.78
Colborne.....	43	60	3.8	..	..	1.0	2.41	4.21	6.01

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
2.0	..	1.0	2.25	3.15	4.05	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.7	..	1.0	3.78	4.68	5.58	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
4.0	..	1.0	4.05	4.95	5.85	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.0	..	1.1	2.25	3.24	4.23	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
1.8	..	0.7	2.07	2.70	3.33	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.0	..	1.6	3.15	4.59	6.03	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
2.8	..	1.2	2.97	4.05	5.13	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.5	..	0.7	2.70	3.33	3.96	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.1	..	1.0	3.24	4.14	5.04	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
1.7	..	0.8	1.98	2.70	3.42	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
2.5	..	1.5	2.70	4.05	5.40	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.7	..	0.8	2.88	3.60	4.32	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.5	..	0.8	3.60	4.32	5.04	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
3.5	..	1.4	3.60	4.86	6.12	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.7	..	0.8	2.88	3.60	4.32	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
4.5	..	1.5	4.50	5.85	7.20	1.35	3.7	..	2.4	..	0.33	3.96	4.26	4.55
1.9	..	1.1	2.16	3.15	4.14	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.8	..	1.1	2.97	3.96	4.95	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.8	..	0.9	2.97	3.78	4.59	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
3.0	..	1.1	3.15	4.14	5.13	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
2.3	..	1.0	2.52	3.42	4.32	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
3.4	0.8	0.5	3.51	4.23	4.68	1.00	..	2.2	..	0.5	0.33	2.88	3.33	3.63
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.3	0.8	0.5	3.42	4.14	4.59	1.00	..	2.5	..	0.5	0.33	3.15	3.60	3.90
8.5	..	4.0	8.10	11.70	15.30	1.35	5.7	..	3.8	..	2.00	5.49	7.29	9.09
3.3	..	1.2	3.42	4.50	5.58	1.35	2.0	..	1.3	..	0.40	2.70	3.00	3.29
2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
2.3	..	1.0	2.52	3.42	4.32	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.2	..	1.1	2.43	3.42	4.41	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.6	..	1.3	2.79	3.96	5.13	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
3.1	0.8	0.5	3.24	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.24	3.69	3.99
2.6	..	1.2	2.79	3.87	4.95	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
3.7	..	1.5	3.78	5.13	6.48	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
1.9	0.8	0.5	2.16	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.07	2.52	2.82
2.4	..	1.3	2.61	3.78	4.95	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.9	..	1.4	3.06	4.32	5.58	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
3.0	..	1.0	3.15	4.05	4.95	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Coldwater.....	45	60	3.2	..	..	1.0	2.09	3.89	5.69
Collingwood.....	43	60	2.5	..	..	1.1	1.75	3.73	5.71
Comber.....	52	60	3.3	..	..	1.2	2.21	4.37	6.53
Coniston.....	43	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Cookstown.....	51	45	4.3	..	..	1.0	2.24	4.04	5.84
Cottam.....	41	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Courtright.....	43	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Creemore.....	53	50	3.1	..	..	1.0	1.84	3.64	5.44
Dashwood.....	45	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Delaware.....	46	60	3.8	..	..	1.4	2.56	5.08	7.60
Delhi.....	43	60	3.2	..	..	1.0	2.09	3.89	5.69
Deseronto.....	40	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Dorchester.....	43	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Drayton.....	59	55	4.0	..	..	1.3	2.51	4.85	7.19
Dresden.....	44	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Drumbo.....	41	60	3.5	..	..	1.0	2.25	4.05	5.85
Dryden.....	49	60	4.5	..	..	1.5	2.97	5.67	8.37
Dublin.....	55	60	3.5	..	..	1.1	2.29	4.27	6.25
Dundalk.....	44	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Dundas.....	40	60	2.8	..	..	1.1	1.91	3.89	5.87
Dunnville.....	49	60	2.6	..	..	1.5	1.94	4.64	7.34
Durham.....	58	60	2.7	..	..	1.1	1.85	3.83	5.81
Dutton.....	47	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
East York Twp.....	42	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Eganville.....	42	60	4.3	..	..	1.1	2.72	4.70	6.68
†Elk Lake Townsite.....	42	..	Special	..	..	..	2.30	4.60	6.60
Elmira.....	45	50	3.0	1.5	0.8	1.2	2.02	4.41	5.85
Elmvale.....	40	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Elmwood.....	39	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Elora.....	44	60	3.2	..	..	1.4	2.23	4.75	7.27
Embro.....	44	60	3.3	..	..	1.1	2.18	4.16	6.14
†Englehart.....	50	60	4.5	..	..	1.5	2.97	5.67	8.37
Erieau.....	51	60	3.7	..	..	1.0	2.36	4.16	5.96
Erie Beach.....	61	60	5.3	..	..	1.5	3.40	6.10	8.80
Erin.....	40	50	3.0	1.5	0.8	1.2	2.02	4.41	5.85
Essex.....	51	60	2.9	..	..	1.2	2.00	4.16	6.32
Etobicoke Twp. (including Thistletown).....	40	60	2.7	..	..	1.3	1.93	4.27	6.61
Exeter.....	47	60	3.0	..	..	1.3	2.09	4.43	6.77
Fergus.....	45	60	3.3	..	..	1.3	2.25	4.59	6.93
Finch.....	42	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81

†Local system
See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
2.5	..	1.0	2.70	3.60	4.50	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.0	..	1.1	2.25	3.24	4.23	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.8	..	1.1	2.97	3.96	4.95	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
°2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
3.8	..	1.0	3.87	4.77	5.67	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
°2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	2.3	..	0.5	0.33	2.97	3.42	3.72
°2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
2.6	..	0.9	2.79	3.60	4.41	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
°3.1	0.8	0.5	3.24	3.96	4.41	1.00	..	2.4	..	0.5	0.33	3.06	3.51	3.81
3.4	..	1.4	3.51	4.77	6.03	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.6	..	0.8	2.79	3.51	4.23	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
°2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.4	..	0.7	3.51	4.14	4.77	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	2.3	..	0.5	0.33	2.97	3.42	3.72
3.0	..	0.8	3.15	3.87	4.59	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.8	..	2.0	3.87	5.67	7.47	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.0	..	0.8	3.15	3.87	4.59	1.35	3.4	..	2.2	..	0.33	3.73	4.03	4.33
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
2.3	..	1.0	2.52	3.42	4.32	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.2	..	1.5	2.43	3.78	5.13	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.4	..	1.0	2.61	3.51	4.41	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
°2.0	0.8	0.5	2.25	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.07	2.52	2.82
3.8	..	1.0	3.87	4.77	5.67	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
°2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
°2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.8	..	1.4	2.97	4.23	5.49	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.7	..	0.7	2.88	3.51	4.14	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
4.0	..	1.5	4.05	5.40	6.75	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
3.5	..	0.9	3.60	4.41	5.22	1.35	4.0	..	2.6	..	0.33	4.18	4.48	4.78
4.8	..	1.0	4.77	5.67	6.57	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.4	..	1.0	2.61	3.51	4.41	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.2	..	0.8	2.43	3.15	3.87	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.6	..	0.8	2.79	3.51	4.23	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.8	..	1.1	2.97	3.96	4.95	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
°2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

*Rates are quoted on a monthly basis and
and a minimum*

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Flesherton.....	37	60	2.3	..	..	1.0	1.60	3.40	5.20
Fonthill.....	41	60	3.0	..	..	1.3	2.09	4.43	6.77
Forest.....	46	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Forest Hill.....	40	60	2.5	..	..	1.4	1.85	4.37	6.89
Fort William.....	34	60	2.0	..	..	0.8	1.37	2.81	4.25
Frankford.....	34	60	3.0	..	..	1.1	2.02	4.00	5.98
Galt.....	40	60	3.0	..	..	1.1	2.02	4.00	5.98
Georgetown.....	45	60	2.9	..	..	1.4	2.07	4.59	7.11
Glen Williams.....	45	60	3.6	..	..	1.6	2.52	5.40	8.28
†Geraldton.....	43	60	4.4	..	..	1.5	2.92	5.62	8.32
Glencoe.....	52	60	3.0	..	..	0.9	1.94	3.56	5.18
Goderich.....	52	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
†Gogama.....	..	50	7.0	3.5	..	1.6	4.72	10.17	13.05
Grand Bend.....	52	60	4.4	..	..	1.5	2.92	5.62	8.32
Grand Valley.....	50	60	3.0	..	..	1.2	2.05	4.21	6.37
Granton.....	50	60	3.9	..	..	1.4	2.61	5.13	7.65
Gravenhurst.....	40	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Grimsby.....	46	60	2.5	..	..	1.1	1.75	3.73	5.71
Guelph.....	41	60	2.5	..	..	1.1	1.75	3.73	5.71
Hagersville.....	41	60	2.8	..	..	1.1	1.91	3.89	5.87
†Haileybury.....	37	60	3.9	..	..	1.2	2.54	4.70	6.86
Hamilton.....	46	60	2.6	..	..	1.1	1.80	3.78	5.76
Hanover.....	42	60	2.2	..	..	1.0	1.55	3.35	5.15
Harriston.....	45	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Harrow.....	43	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Hastings.....	52	45	4.2	..	..	1.0	2.20	4.00	5.80
Havelock.....	45	60	3.6	..	..	1.5	2.48	5.18	7.88
Hawkesbury.....	36	60	4.0	..	..	1.5	2.70	5.40	8.10
Hearst.....	60	50	5.4	2.7	..	1.6	3.64	8.01	10.89
Hensall.....	48	60	3.2	..	..	1.0	2.09	3.89	5.69
†Hepworth.....	50	60	4.0	..	..	1.2	2.59	4.75	6.91
Hespeler.....	42	60	3.2	..	..	1.1	2.12	4.10	6.08
Highgate.....	47	60	3.2	..	..	0.9	2.05	3.67	5.29
Holstein.....	75	60	3.0	..	..	1.0	1.98	3.78	5.58
†Hornepayne.....	60	60	8.0	..	..	2.0	5.04	8.64	12.24
†Hudson Townsite.....	45	60	4.4	..	..	1.7	2.99	6.05	9.11
Huntsville.....	40	60	2.4	..	..	1.2	1.73	3.89	6.05
†Ignace.....	60	60	8.0	..	..	2.0	5.04	8.64	12.24
Ingersoll.....	46	60	3.4	..	..	1.3	2.30	4.64	6.98
Iroquois.....	43	60	2.8	..	..	1.2	1.94	4.10	6.26
Jarvis.....	44	60	2.8	..	..	0.9	1.84	3.46	5.08

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	\$	\$	\$	
1.9	..	1.0	2.16	3.06	3.96	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.5	..	1.2	2.70	3.78	4.86	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
2.0	..	1.2	2.25	3.33	4.41	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
1.9	..	0.4	2.16	2.52	2.88	1.00	1.4	..	0.9	..	0.25	1.93	2.16	2.38
2.5	..	1.0	2.70	3.60	4.50	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
2.5	..	1.0	2.70	3.60	4.50	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.4	..	1.4	2.61	3.87	5.13	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.1	..	1.6	3.24	4.68	6.12	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
3.9	..	1.5	3.96	5.31	6.66	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.6	..	0.8	2.79	3.51	4.23	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
°2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.06	3.51	3.81
5.8	0.8	0.5	5.67	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.49	5.94	6.24
3.9	..	1.3	3.96	5.13	6.30	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.5	..	1.2	2.70	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.4	..	1.3	3.51	4.68	5.85	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
°1.6	0.8	0.5	1.89	2.61	3.06	1.00	..	1.1	..	0.5	0.33	1.89	2.34	2.64
2.0	..	1.0	2.25	3.15	4.05	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.0	..	0.9	2.25	3.06	3.87	1.00	1.5	..	1.1	..	0.30	2.07	2.34	2.61
2.3	..	0.9	2.52	3.33	4.14	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
3.4	..	1.2	3.51	4.59	5.67	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
d1.9	..	0.7	2.16	2.79	3.42	1.00	1.4	..	0.9	..	0.40	1.93	2.29	2.65
1.7	..	1.0	1.98	2.88	3.78	1.00	1.5	..	0.9	..	0.30	1.98	2.25	2.52
°2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
°2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.2	..	0.5	0.33	2.88	3.33	3.63
3.6	..	1.0	3.69	4.59	5.49	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.1	..	1.3	3.24	4.41	5.58	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.5	..	1.5	3.60	4.95	6.30	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
°5.4	0.8	0.5	5.31	6.03	6.48	1.00	..	4.1	..	0.5	0.33	4.59	5.04	5.34
2.7	..	0.9	2.88	3.69	4.50	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.5	..	1.0	3.60	4.50	5.40	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
2.6	..	0.9	2.79	3.60	4.41	1.20	1.6	..	1.0	..	0.33	2.25	2.55	2.84
2.8	..	0.7	2.97	3.60	4.23	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.5	..	0.8	2.70	3.42	4.14	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
7.5	..	2.0	7.20	9.00	10.80	1.35	4.9	..	3.3	..	0.33	4.90	5.20	5.50
3.9	..	1.5	3.96	5.31	6.66	1.35	3.8	..	2.5	..	0.33	4.05	4.35	4.64
2.2	..	1.1	2.43	3.42	4.41	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
7.5	..	2.0	7.20	9.00	10.80	1.35	4.9	..	3.3	..	0.33	4.90	5.20	5.50
2.8	..	0.8	2.97	3.69	4.41	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.3	..	1.0	2.52	3.42	4.32	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.3	..	0.6	2.52	3.06	3.60	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19

Municipal Electrical RATES AND TYPICAL BILLS in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
†Jellicoe Townsite.....	¢ 45	No. 60	¢ 4.4	..	..	1.7	\$ 2.99	\$ 6.05	\$ 9.11
Kapuskasing.....	42	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
†Kearns Townsite.....	45	b40	3.5	..	..	1.6 0.75	2.63	4.90	6.25
Kemptonville.....	45	55	3.2	..	..	1.0	1.99	3.79	5.59
Kincardine.....	45	50	3.1	..	..	1.0	1.84	3.64	5.44
†King Kirkland Townsite.....	45	b40	3.5	..	..	1.6 0.75	2.63	4.90	6.25
Kingston.....	38	60	1.8	..	..	0.9	1.30	2.92	4.54
Kingsville.....	40	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Kirkfield.....	45	50	5.0	..	..	1.2	2.79	4.95	7.11
†Kirkland Lake (including Swastika)...	42	..	Special	..	..	..	2.30	4.60	6.60
Kitchener.....	42	60	2.6	..	..	1.3	1.87	4.21	6.55
Lakefield.....	38	55	2.8	..	..	1.0	1.79	3.59	5.39
Lambeth.....	43	60	3.5	..	..	1.3	2.36	4.70	7.04
Lanark.....	36	60	2.5	..	..	1.1	1.75	3.73	5.71
Lancaster.....	43	60	2.3	..	..	1.0	1.60	3.40	5.20
Larder Lake Twp.....	46	60	3.5	..	..	1.1	2.29	4.27	6.25
La Salle.....	52	60	4.6	..	..	1.6	3.06	5.94	8.82
Latchford.....	..	60	5.0	..	..	2.0	3.42	7.02	10.62
Leamington.....	41	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Lindsay.....	44	60	2.6	..	..	1.3	1.87	4.21	6.55
Listowel.....	44	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
London.....	44	60	2.8	..	..	1.2	1.94	4.10	6.26
London Twp.....	39	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Long Branch.....	40	60	2.4	..	..	1.2	1.73	3.89	6.05
L'Original.....	40	50	4.2	2.1	1.2	1.6	2.83	6.21	8.37
Lucan.....	48	60	3.4	..	..	1.4	2.34	4.86	7.38
Lucknow.....	57	55	2.7	..	..	1.0	1.75	3.55	5.35
Lynden.....	45	60	3.2	..	..	1.1	2.12	4.10	6.08
Madoc.....	47	60	2.9	..	..	1.2	2.00	4.16	6.32
Magnetawan.....	52	60	4.7	..	..	2.0	3.26	6.86	10.46
Markdale.....	45	60	2.5	..	..	1.0	1.71	3.51	5.31
Markham.....	45	50	3.0	1.6	1.0	1.3	2.07	4.68	6.48
Marmora.....	48	60	3.6	..	..	1.0	2.30	4.10	5.90
Martintown.....	40	60	4.0	..	..	1.2	2.59	4.75	6.91
Massey.....	48	60	6.0	..	..	2.5	4.14	8.64	13.14
†Matachewan Twp.....	45	50	4.5	..	..	1.0	2.47	4.27	6.07
†Matheson.....	45	b40	3.5	..	..	1.6 0.75	2.63	4.90	6.25
†Mattawa.....	45	60	5.3	..	..	1.6	3.44	6.32	9.20
Maxville.....	58	55	3.1	..	..	1.0	1.94	3.74	5.53
McGarry.....	46	60	3.5	..	..	1.1	2.29	4.27	6.25

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
3.9	..	1.5	3.96	5.31	6.66	1.35	3.8	..	2.5	..	0.33	4.05	4.35	4.64
2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.7	..	1.0	2.88	3.78	4.68	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.6	..	0.8	2.79	3.51	4.23	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
1.5	..	0.9	1.80	2.61	3.42	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
4.5	..	1.0	4.50	5.40	6.30	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
Spec.	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
2.3	..	1.0	2.52	3.42	4.32	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.4	..	0.8	2.61	3.33	4.05	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
3.1	..	1.1	3.24	4.23	5.22	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
2.0	..	1.0	2.25	3.15	4.05	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
1.8	..	1.0	2.07	2.97	3.87	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.0	..	1.0	3.15	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
4.1	..	1.5	4.14	5.49	6.84	1.35	3.7	..	2.4	..	0.33	3.96	4.26	4.55
4.5	..	2.0	4.50	6.30	8.10	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.2	..	1.3	2.43	3.60	4.77	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.2	..	0.6	2.43	2.97	3.51	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
1.9	..	1.1	2.16	3.15	4.14	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
3.0	..	1.1	3.15	4.14	5.13	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.2	..	0.8	2.43	3.15	3.87	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.7	..	1.0	2.88	3.78	4.68	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.5	..	1.1	2.70	3.69	4.68	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
4.2	..	2.0	4.23	6.03	7.83	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.0	..	1.0	2.25	3.15	4.05	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.8	0.8	0.5	2.97	3.69	4.14	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.2	..	0.9	3.33	4.14	4.95	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
3.5	..	1.2	3.60	4.68	5.76	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
5.5	..	2.5	5.40	7.65	9.90	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
4.8	..	1.6	4.77	6.21	7.65	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.8	..	1.0	2.97	3.87	4.77	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
3.0	..	1.0	3.15	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Meaford.....	46	60	2.6	..	..	1.0	1.76	3.56	5.36
Merlin.....	44	60	3.1	..	..	1.0	2.03	3.83	5.63
Merrickville.....	40	60	3.0	..	..	1.3	2.09	4.43	6.77
Merritton.....	43	60	3.2	..	..	1.3	2.20	4.54	6.88
Midland.....	40	50	2.2	1.1	0.7	1.0	1.48	3.28	4.54
Mildmay.....	40	60	2.5	..	..	1.0	1.71	3.51	5.31
Millbrook.....	48	60	4.6	..	..	1.0	2.84	4.64	6.44
Milton.....	45	60	3.1	..	..	1.6	2.25	5.13	8.01
Milverton.....	48	60	3.4	..	..	1.3	2.30	4.64	6.98
Mimico.....	42	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Mitchell.....	46	60	3.6	..	..	1.4	2.45	4.97	7.49
Moorefield.....	44	60	2.5	..	..	0.9	1.67	3.29	4.91
Morrisburg.....	43	60	3.0	..	..	1.0	1.98	3.78	5.58
Mount Brydges.....	41	50	3.0	1.5	0.8	1.2	2.02	4.41	5.85
Mount Forest.....	39	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Napanee.....	39	60	2.8	..	..	1.1	1.91	3.89	5.87
Neustadt.....	37	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Newboro.....	40	60	4.0	..	..	1.4	2.66	5.18	7.70
Newburgh.....	40	60	4.3	..	..	1.2	2.75	4.91	7.07
Newbury.....	50	60	4.0	..	..	1.0	2.52	4.32	6.12
Newcastle.....	43	60	3.0	..	..	0.9	1.94	3.56	5.18
New Hamburg.....	43	60	3.2	..	..	1.3	2.20	4.54	6.88
†New Liskeard.....	42	..	Special	..	..	..	2.30	4.60	6.60
Newmarket.....	40	60	2.5	..	..	1.0	1.71	3.51	5.31
New Toronto.....	42	60	2.6	..	..	1.2	1.84	4.00	6.16
Niagara.....	41	60	3.0	..	..	1.4	2.12	4.64	7.16
Niagara Falls.....	40	50	3.0	1.4	..	1.0	1.98	4.32	6.12
Nipigon Twp.....	32	60	2.8	..	..	1.0	1.87	3.67	5.47
North Bay.....	42	60	2.5	..	..	1.2	1.78	3.94	6.10
North York Twp.....	43	60	2.7	..	..	1.3	1.93	4.27	6.61
Norwich.....	46	60	3.4	..	..	1.2	2.27	4.43	6.59
Norwood.....	45	50	3.9	..	..	1.1	2.25	4.23	6.21
Oakville.....	44	60	3.0	..	..	1.4	2.12	4.64	7.16
Oil Springs.....	52	60	3.0	..	..	1.0	1.98	3.78	5.58
Omeme.....	44	60	3.3	..	..	1.0	2.14	3.94	5.74
Orangeville.....	45	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Orillia.....	40	60	2.3	..	..	0.9	1.57	3.19	4.81
Orono.....	45	60	3.5	..	..	1.2	2.32	4.48	6.64
Oshawa.....	38	50	2.2	1.1	0.7	1.0	1.48	3.28	4.54
Ottawa (including Eastview and Rockcliffe Park).....	32	a 60 60	* 2.0 1.0	..	..	*0.5	1.74	3.02	3.92

†Local system
See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
2.2	..	0.8	2.43	3.15	3.87	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.6	..	0.7	2.79	3.42	4.05	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.5	..	1.2	2.70	3.78	4.86	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
2.7	..	1.1	2.88	3.87	4.86	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
°1.7	0.8	0.5	1.98	2.70	3.15	1.00	..	1.0	..	0.5	0.33	1.80	2.25	2.55
2.0	..	0.9	2.25	3.06	3.87	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
4.2	..	1.0	4.23	5.13	6.03	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.6	..	1.6	2.79	4.23	5.67	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.0	..	1.4	3.15	4.41	5.67	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
3.1	..	1.0	3.24	4.14	5.04	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.0	..	0.9	2.25	3.06	3.87	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.7	..	0.8	2.88	3.60	4.32	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
°2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.5	..	1.0	2.70	3.60	4.50	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
°1.6	0.8	0.5	1.89	2.61	3.06	1.00	..	1.0	..	0.5	0.33	1.80	2.25	2.55
3.5	..	1.2	3.60	4.68	5.76	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
3.8	..	1.2	3.87	4.95	6.03	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.5	..	0.9	3.60	4.41	5.22	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.5	..	0.8	2.70	3.42	4.14	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.7	..	1.2	2.88	3.96	5.04	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
2.2	..	1.0	2.43	3.33	4.23	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
2.5	..	1.2	2.70	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
2.4	..	0.8	2.61	3.33	4.05	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.0	..	0.9	2.25	3.06	3.87	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.2	..	1.3	2.43	3.60	4.77	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
3.0	..	1.0	3.15	4.05	4.95	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
3.4	..	0.9	3.51	4.32	5.13	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.5	..	1.3	2.70	3.87	5.04	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.6	..	1.0	2.79	3.69	4.59	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.8	..	0.8	2.97	3.69	4.41	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.2	..	0.5	0.33	1.98	2.43	2.73
1.8	..	0.8	2.07	2.79	3.51	1.00	1.4	..	0.9	..	0.30	1.93	2.20	2.47
3.0	..	1.1	3.15	4.14	5.13	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
°1.8	0.8	0.5	2.07	2.79	3.24	1.00	..	1.2	..	0.5	0.33	1.98	2.43	2.73
2.0	0.8	0.5	2.25	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	Number of kwh supplied in first block	DOMESTIC SERVICE						
			Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Otterville.....	46	60	3.0	..	..	1.0	1.98	3.78	5.58
Owen Sound.....	38	60	2.4	..	..	1.1	1.69	3.67	5.65
Paisley.....	45	60	3.5	..	..	1.0	2.25	4.05	5.85
Palmerston.....	44	60	2.6	..	..	1.0	1.76	3.56	5.36
Paris.....	42	60	2.8	..	..	1.3	1.98	4.32	6.66
Parkhill.....	44	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Parry Sound.....	42	60	2.8	..	..	1.2	1.94	4.10	6.26
Penetanguishene.....	45	60	2.5	..	..	1.1	1.75	3.73	5.71
Perth.....	37	55	2.8	..	..	1.0	1.79	3.59	5.39
Peterborough.....	40	60	2.6	..	..	1.3	1.87	4.21	6.55
Petrolia.....	50	60	3.6	..	..	1.2	2.38	4.54	6.70
†Pickle Lake Landing Townsite.....	45	60	4.4	..	..	1.7	2.99	6.05	9.11
Picton.....	41	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Plattsville.....	52	60	3.3	..	..	1.2	2.21	4.37	6.53
Point Edward.....	38	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Port Arthur.....	34	60	2.0	..	..	0.8	1.37	2.81	4.25
Port Burwell.....	49	60	5.0	..	..	2.0	3.42	7.02	10.62
†Port Carling.....	50	a45	4.7	..	..	1.5	2.94	5.94	8.64
Port Colborne.....	41	60	2.8	..	..	1.2	1.94	4.10	6.26
Port Credit.....	42	60	2.7	..	..	1.3	1.93	4.27	6.61
Port Dalhousie.....	43	50	4.4	2.2	1.2	1.6	2.97	6.48	8.64
Port Dover.....	45	60	2.4	..	..	1.2	1.73	3.89	6.05
Port Elgin.....	50	60	3.5	..	..	1.3	2.36	4.70	7.04
Port Hope.....	45	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Port McNicoll.....	48	60	3.3	..	..	1.0	2.14	3.94	5.74
Port Perry.....	41	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Port Rowan.....	50	60	3.2	..	..	1.1	2.12	4.10	6.08
Port Stanley.....	43	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
†Powassan.....	45	b40	3.5	..	..	1.6 0.75	2.63	4.90	6.25
Prescott.....	40	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Preston.....	40	60	3.3	..	..	1.3	2.25	4.59	6.93
Priceville.....	52	60	5.0	..	..	1.5	3.24	5.94	8.64
Princeton.....	48	60	3.0	..	..	1.0	1.98	3.78	5.58
Queenston.....	40	60	2.8	..	..	1.3	1.98	4.32	6.66
†Red Lake Townsite.....	45	60	4.4	..	..	1.7	2.99	6.05	9.11
Red Rock.....	32	60	2.6	..	..	1.1	1.80	3.78	5.76
Renfrew.....	40	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Richmond.....	54	40	4.3	..	..	1.2	2.20	4.36	6.52
Richmond Hill.....	45	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Ridgetown.....	51	60	2.9	..	..	1.1	1.96	3.94	5.92

†Local system
See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand			100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All additional hours	100 hours	200 hours	300 hours
First 100 hours	Next 100 hours	All additional hours												
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
2.5	..	0.8	2.70	3.42	4.14	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.0	0.8	0.5	2.25	2.97	3.42	1.00	1.5	..	1.1	..	0.30	2.07	2.34	2.61
3.0	..	1.0	3.15	4.05	4.95	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.2	..	0.8	2.43	3.15	3.87	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.3	..	0.8	2.52	3.24	3.96	1.00	1.5	..	1.1	..	0.30	2.07	2.34	2.61
2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.2	..	0.5	0.33	2.88	3.33	3.63
2.3	..	1.2	2.52	3.60	4.68	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.1	..	1.0	2.34	3.24	4.14	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.0	..	0.6	2.25	2.79	3.33	1.00	1.3	..	0.8	..	0.25	1.84	2.07	2.29
2.1	..	1.2	2.34	3.42	4.50	1.20	1.4	..	0.9	..	0.30	2.11	2.38	2.65
3.1	..	1.0	3.24	4.14	5.04	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
3.9	..	1.5	3.96	5.31	6.66	1.35	3.8	..	2.5	..	0.33	4.05	4.35	4.64
2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
3.0	..	1.0	3.15	4.05	4.95	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
1.9	..	0.4	2.16	2.52	2.88	1.00	1.4	..	0.9	..	0.25	1.93	2.16	2.38
4.5	..	2.0	4.50	6.30	8.10	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
4.5	..	0.8	4.50	5.22	5.94	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.5	..	1.1	2.70	3.69	4.68	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.2	..	1.2	2.43	3.51	4.59	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.6	..	0.5	0.33	3.24	3.69	3.99
2.0	..	1.0	2.25	3.15	4.05	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.8	..	1.0	2.97	3.87	4.77	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
2.8	..	0.8	2.97	3.69	4.41	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.7	..	0.9	2.88	3.69	4.50	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
3.5	..	1.0	3.60	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.16	2.61	2.91
2.8	..	0.9	2.97	3.78	4.59	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
4.5	..	1.5	4.50	5.85	7.20	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
2.7	..	0.8	2.88	3.60	4.32	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.4	..	1.2	2.61	3.69	4.77	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.9	..	1.5	3.96	5.31	6.66	1.35	3.8	..	2.5	..	0.33	4.05	4.35	4.64
2.1	..	1.0	2.34	3.24	4.14	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.1	0.8	0.5	2.34	3.06	3.51	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
4.0	..	1.0	4.05	4.95	5.85	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.9	0.8	0.5	3.06	3.78	4.23	1.00	..	2.3	..	0.5	0.33	2.97	3.42	3.72
2.4	..	0.9	2.61	3.42	4.23	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Ripley.....	43	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Riverside.....	41	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Rockland.....	33	60	4.0	..	..	1.2	2.59	4.75	6.91
Rockwood.....	48	60	3.3	..	..	1.3	2.25	4.59	6.93
Rodney.....	52	60	2.5	..	..	1.0	1.71	3.51	5.31
Rosseau.....	43	60	3.5	..	..	1.6	2.47	5.35	8.23
Russell.....	36	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
St. Catharines.....	42	60	2.7	..	..	1.5	2.00	4.70	7.40
St. Clair Beach.....	50	60	4.1	..	..	1.5	2.75	5.45	8.15
St. George.....	44	60	2.5	..	..	0.9	1.67	3.29	4.91
St. Jacobs.....	42	60	3.0	..	..	1.1	2.02	4.00	5.98
St. Mary's.....	43	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
St. Thomas.....	43	60	3.2	..	..	1.2	2.16	4.32	6.48
°Sandwich East Twp.....	43	50	4.6	2.3	1.3	1.6	3.10	6.79	9.13
°Sandwich West Twp.....	43	50	4.5	2.3	1.4	1.6	3.06	6.79	9.31
Sarnia.....	44	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Scarborough Twp.....	43	60	2.7	..	..	1.3	1.93	4.27	6.61
Schreiber Twp.....	35	60	2.7	..	..	1.0	1.82	3.62	5.42
Seaforth.....	47	60	3.1	..	..	1.2	2.11	4.27	6.43
Shelburne.....	45	60	3.0	..	..	1.2	2.05	4.21	6.37
Simcoe.....	42	60	2.5	..	..	1.0	1.71	3.51	5.31
Sioux Lookout.....	51	60	4.0	..	..	1.5	2.70	5.40	8.10
Smith's Falls.....	38	60	2.6	..	..	1.0	1.76	3.56	5.36
Smithville.....	45	60	3.2	..	..	1.2	2.16	4.32	6.48
Southampton.....	48	50	3.2	..	..	1.1	1.93	3.91	5.89
†South Porcupine Townsite.....	42	..	Special	..	..	..	2.30	4.60	6.60
Springfield.....	49	60	3.4	..	..	0.9	2.16	3.78	5.40
Stamford Twp.....	40	60	3.2	..	..	1.4	2.23	4.75	7.27
Stayner.....	41	60	3.0	..	..	1.2	2.05	4.21	6.37
Stirling.....	40	60	2.7	..	..	1.3	1.93	4.27	6.61
Stoney Creek.....	41	50	3.0	1.5	0.8	1.2	2.02	4.41	5.85
Stouffville.....	45	60	2.6	..	..	1.1	1.80	3.78	5.76
Stratford.....	43	60	2.9	..	..	1.2	2.00	4.16	6.32
Strathroy.....	42	60	3.1	..	..	0.9	2.00	3.62	5.24
Streetsville.....	42	60	2.9	..	..	1.3	2.03	4.37	6.71
Sturgeon Falls.....	41	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Sudbury.....	43	60	2.6	..	..	1.2	1.84	4.00	6.16
Sunderland.....	45	60	3.5	..	..	1.0	2.25	4.05	5.85
Sundridge.....	52	60	4.2	..	..	1.6	2.84	5.72	8.60
Sutton.....	48	60	2.7	..	..	1.0	1.82	3.62	5.42

†Local system

See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand			100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
First 100 hours	Next 100 hours	All addi- tional hours												
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
°2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
3.5	..	1.0	3.60	4.50	5.40	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.8	..	1.2	2.97	4.05	5.13	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.2	..	0.8	2.43	3.15	3.87	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
3.0	..	1.6	3.15	4.59	6.03	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
°2.0	0.8	0.5	2.25	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
d2.3	..	1.1	2.52	3.51	4.50	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
3.6	..	1.4	3.69	4.95	6.21	1.35	3.7	..	2.4	..	0.33	3.96	4.26	4.55
2.0	..	0.6	2.25	2.79	3.33	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.5	..	1.0	2.70	3.60	4.50	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
°2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.3	..	0.6	2.52	3.06	3.60	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
4.1	0.8	0.5	4.14	4.86	5.31	1.00	..	3.6	..	0.5	0.33	4.14	4.59	4.89
4.1	0.8	0.5	4.14	4.86	5.31	1.00	..	3.6	..	0.5	0.33	4.14	4.59	4.89
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.2	..	1.1	2.43	3.42	4.41	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.2	..	1.0	2.43	3.33	4.23	1.35	2.6	..	1.7	..	0.33	3.15	3.45	3.74
2.6	..	0.9	2.79	3.60	4.41	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.5	..	1.2	2.70	3.78	4.86	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.0	..	0.8	2.25	2.97	3.69	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
3.5	..	2.0	3.60	5.40	7.20	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.0	..	0.7	2.25	2.88	3.51	1.00	1.5	..	1.1	..	0.25	2.07	2.29	2.52
2.8	..	1.1	2.97	3.96	4.95	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.9	..	1.1	3.06	4.05	5.04	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
2.9	..	0.8	3.06	3.78	4.50	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.9	..	1.3	3.06	4.23	5.40	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.5	..	1.2	2.70	3.78	4.86	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.2	..	1.3	2.43	3.60	4.77	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
°2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.1	..	1.1	2.34	3.33	4.32	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.4	..	0.7	2.61	3.24	3.87	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.5	..	0.6	2.70	3.24	3.78	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.4	..	1.3	2.61	3.78	4.95	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
°2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
2.4	..	1.2	2.61	3.69	4.77	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
3.0	..	0.8	3.15	3.87	4.59	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
3.7	..	1.6	3.78	5.22	6.66	1.35	3.4	..	2.2	..	0.33	3.73	4.03	4.33
2.4	..	0.7	2.61	3.24	3.87	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Swansea	44	60	2.4	..	..	1.3	1.76	4.10	6.44
Tara	48	60	2.8	..	..	1.2	1.94	4.10	6.26
Tavistock	44	60	2.7	..	..	1.4	1.96	4.48	7.00
Tecumseh	41	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Teeswater	42	50	2.6	1.3	0.8	1.1	1.75	3.87	5.31
Terrace Bay	35	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
Thamesford	49	60	3.6	..	..	1.5	2.48	5.18	7.88
Thamesville	45	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Thedford	56	60	3.6	..	..	1.0	2.30	4.10	5.90
Thessalon	49	50	4.0	2.0	1.2	1.6	2.70	5.94	8.10
Thornbury	48	60	3.5	..	..	1.3	2.36	4.70	7.04
Thornedale	42	50	3.6	1.8	1.0	1.4	2.43	5.31	7.11
†Thornloe .....	..	..	Special	..	..	..	2.30	4.60	6.60
Thornton	62	60	3.8	..	..	1.0	2.41	4.21	6.01
Thorold	40	60	2.7	..	..	1.4	1.96	4.48	7.00
Tilbury	51	50	3.0	1.5	0.9	1.2	2.02	4.45	6.07
Tillsonburg	43	60	3.2	..	..	1.2	2.16	4.32	6.48
†Timmins (including Schumacher)	42	..	Special	..	..	..	2.30	4.60	6.60
Toronto (including Leaside)	**	60	2.0	..	..	1.4	1.58	4.10	6.62
Toronto Twp.	42	50	3.2	1.6	1.0	1.4	2.16	4.77	6.57
Tottenham	44	50	3.5	..	..	1.0	2.25	4.05	5.85
Trafalgar Twp.	43	60	3.8	..	..	2.0	2.77	6.37	9.97
Trenton	33	60	1.8	..	..	0.8	1.26	2.70	4.14
Tweed	33	50	1.8	0.9	0.7	1.0	1.21	2.74	4.00
Uxbridge	41	50	2.6	1.3	0.7	1.0	1.75	3.82	5.08
Vankleek Hill	41	60	4.5	..	..	1.5	2.97	5.67	8.37
Victoria Harbour	49	60	3.2	..	..	1.3	2.20	4.54	6.88
Walkerton	40	50	3.2	..	..	1.1	1.94	3.92	5.90
Wallaceburg	48	60	3.1	..	..	1.2	2.11	4.27	6.43
Wardville	52	60	3.6	..	..	0.9	2.27	3.89	5.51
Warkworth	52	50	3.5	..	..	1.2	2.12	4.28	6.44
Wasaga Beach	42	50	3.6	1.8	1.1	1.5	2.43	5.35	7.33
Waterdown	42	60	2.6	..	..	1.2	1.84	4.00	6.16
Waterford	44	50	2.8	1.4	0.8	1.1	1.89	4.14	5.58
Waterloo	42	60	2.6	..	..	1.1	1.80	3.78	5.76
Watford	46	60	3.1	..	..	1.1	2.07	4.05	6.03
Waubushene	45	60	3.2	..	..	1.2	2.16	4.32	6.48
Webbwood	52	60	6.0	..	..	2.5	4.14	8.64	13.14
Welland	42	60	2.4	..	..	1.1	1.69	3.67	5.65
Wellesley	45	60	3.3	..	..	1.3	2.25	4.59	6.93

†Local system
See explanatory notes on pages 182 and 183.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours	Demand rate per kw	First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$		\$	¢	¢	¢	¢	¢	\$	\$
2.0	..	1.3	2.25	3.42	4.59	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.4	..	1.0	2.61	3.51	4.41	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
2.3	..	1.4	2.52	3.78	5.04	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
⁰ 2.7	0.8	0.5	2.88	3.60	4.05	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
⁰ 2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
⁰ 1.8	0.8	0.5	2.07	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.07	2.52	2.82
3.1	..	1.4	3.24	4.50	5.76	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
⁰ 2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	2.1	..	0.5	0.33	2.79	3.24	3.54
3.2	..	0.7	3.33	3.96	4.59	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
4.0	0.8	0.5	4.05	4.77	5.22	1.00	..	3.2	..	0.5	0.33	3.78	4.23	4.53
3.1	..	1.3	3.24	4.41	5.58	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
⁰ 3.2	0.8	0.5	3.33	4.05	4.50	1.00	..	2.4	..	0.5	0.33	3.06	3.51	3.81
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
3.3	..	1.0	3.42	4.32	5.22	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.2	..	1.2	2.43	3.51	4.59	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.6	0.8	0.5	2.79	3.51	3.96	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
2.7	..	1.0	2.88	3.78	4.68	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
Spec.	..	..	3.50	4.50	5.50	..	Spec.	..	..	..	..	3.50	4.50	5.50
c2.1	..	0.7	2.65	3.28	3.91	1.10	2.1	..	1.4	..	0.38	2.56	2.91	3.25
⁰ 2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	2.0	..	0.5	0.33	2.70	3.15	3.45
3.0	..	1.0	3.15	4.05	4.95	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.3	..	1.9	3.42	5.13	6.84	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
1.6	..	0.6	1.89	2.43	2.97	1.00	1.5	..	1.1	..	0.25	2.07	2.29	2.52
⁰ 1.6	0.8	0.5	1.89	2.61	3.06	1.00	..	0.8	..	0.5	0.33	1.62	2.07	2.37
⁰ 2.4	0.8	0.5	2.61	3.33	3.78	1.00	..	1.9	..	0.5	0.33	2.61	3.06	3.36
4.0	..	1.5	4.05	5.40	6.75	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.7	..	1.3	2.88	4.05	5.22	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
2.4	..	0.9	2.61	3.42	4.23	1.20	1.7	..	1.2	..	0.30	2.38	2.65	2.92
2.6	..	0.9	2.79	3.60	4.41	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
3.2	..	0.8	3.33	4.05	4.77	1.35	2.8	..	1.8	..	0.33	3.28	3.58	3.88
3.0	..	1.0	3.15	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
⁰ 3.0	0.8	0.5	3.15	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.15	3.60	3.90
2.2	..	1.2	2.43	3.51	4.59	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
⁰ 2.5	0.8	0.5	2.70	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.52	2.97	3.27
2.2	..	1.0	2.43	3.33	4.23	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
2.8	..	0.9	2.97	3.78	4.59	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.6	..	1.2	2.79	3.87	4.95	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
5.5	..	2.5	5.40	7.65	9.90	1.35	3.5	..	2.3	..	0.33	3.82	4.12	4.42
2.1	..	1.0	2.34	3.24	4.14	1.20	1.9	..	1.3	..	0.30	2.52	2.79	3.06
2.8	..	1.2	2.97	4.05	5.13	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29

Municipal Electrical
RATES AND TYPICAL BILLS
in effect

Rates are quoted on a monthly basis and
and a minimum

Municipality	Flat-rate water-heaters per 100 watts	DOMESTIC SERVICE							
		Number of kwh supplied in first block	Rate per kwh for				Net monthly bill for		
			First block of kwh	Next 200 kwh	Next 500 kwh	All addi- tional kwh	100 kwh	300 kwh	500 kwh
	¢	No.	¢	¢	¢	¢	\$	\$	\$
Wellington	41	50	2.0	1.0	0.7	1.0	1.35	3.01	4.27
West Ferris Twp.	46	60	3.8	..	..	1.5	2.59	5.29	7.99
West Lorne	52	60	3.3	..	..	1.2	2.21	4.37	6.53
Weston	43	60	2.5	..	..	1.2	1.78	3.94	6.10
Westport	40	60	3.0	..	..	1.0	1.98	3.78	5.58
Wheatley	53	60	3.3	..	..	1.2	2.21	4.37	6.53
Whitby	41	60	2.7	..	..	1.2	1.89	4.05	6.21
Warton	43	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Williamsburg	40	60	2.0	..	..	0.8	1.37	2.81	4.25
Winchester	42	60	2.5	..	..	1.2	1.78	3.94	6.10
Windermere	66	60	4.0	..	..	1.5	2.70	5.40	8.10
Windsor	40	50	2.4	1.2	0.7	1.0	1.62	3.55	4.81
Wingham	45	60	2.6	..	..	1.0	1.76	3.56	5.36
Woodbridge	44	60	2.8	..	..	1.2	1.94	4.10	6.26
Woodstock	39	50	3.2	1.6	0.9	1.3	2.16	4.72	6.34
Woodville	48	60	3.8	..	..	1.2	2.48	4.64	6.80
Wyoming	50	60	3.4	..	..	1.0	2.20	4.00	5.80
York Twp.	42	50	2.2	1.1	0.7	1.0	1.48	3.28	4.54
Zurich	51	60	3.7	..	..	1.2	2.43	4.59	6.75

NOTES

Service Charges

- a 33 ¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66 ¢ per month when 2,000 watts or more.
- b 56 ¢ per month.
- c Demand rate 8.5 ¢ per 100 watts, minimum 50 ¢.
- d Minimum demand charge 25 ¢.

Utilities and Local Systems FOR ELECTRICAL SERVICE December 31, 1957

are subject to 10% prompt payment discount
monthly charge

COMMERCIAL SERVICE						POWER SERVICE								
Demand rate per 100 watts 5.0 cents, minimum 50 cents			Net monthly bill for use of 1 kw of demand			Demand rate per kw	Energy rate per kwh for use of each kw of demand					Net monthly bill for use of 1 kw of demand		
Energy rate per kwh for use of each kw of demand														
First 100 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours		First 50 hours	First 100 hours	Next 50 hours	Next 100 hours	All addi- tional hours	100 hours	200 hours	300 hours
¢	¢	¢	\$	\$	\$	\$	¢	¢	¢	¢	¢	\$	\$	\$
°1.8	0.8	0.5	2.07	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.07	2.52	2.82
3.3	..	1.2	3.42	4.50	5.58	1.35	2.3	..	1.5	..	0.33	2.92	3.22	3.52
2.8	..	1.2	2.97	4.05	5.13	1.35	2.9	..	1.9	..	0.33	3.37	3.67	3.97
2.0	..	1.0	2.25	3.15	4.05	1.20	1.6	..	1.0	..	0.30	2.25	2.52	2.79
2.5	..	1.0	2.70	3.60	4.50	1.35	2.2	..	1.4	..	0.33	2.83	3.13	3.43
2.9	..	1.2	3.06	4.14	5.22	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.3	..	1.0	2.52	3.42	4.32	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.43	2.88	3.18
2.0	..	0.8	2.25	2.97	3.69	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10
2.0	..	1.1	2.25	3.24	4.23	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
4.0	..	1.5	4.05	5.40	6.75	1.35	4.1	..	2.7	..	0.33	4.27	4.57	4.87
°2.2	0.8	0.5	2.43	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.25	2.70	3.00
2.1	..	1.0	2.34	3.24	4.14	1.35	2.0	..	1.3	..	0.33	2.70	3.00	3.29
2.3	..	1.2	2.52	3.60	4.68	1.20	2.1	..	1.4	..	0.30	2.65	2.92	3.19
°2.3	0.8	0.5	2.52	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.34	2.79	3.09
3.2	..	1.2	3.33	4.41	5.49	1.35	2.5	..	1.6	..	0.33	3.06	3.36	3.65
2.9	..	0.7	3.06	3.69	4.32	1.35	3.2	..	2.1	..	0.33	3.60	3.90	4.19
°1.7	0.8	0.5	1.98	2.70	3.15	1.00	..	1.2	..	0.5	0.33	1.98	2.43	2.73
3.4	..	0.9	3.51	4.32	5.13	1.35	3.1	..	2.0	..	0.33	3.51	3.81	4.10

NOTES

Special Rates or Discounts

*2-wire service next 80 kwh; 3-wire service next 180 kwh.

*First 60 kwh of monthly consumption at 2.0 ¢, second 60 kwh and all kwh in excess of 1,000 at 1.0 ¢.

**Flat-rate water-heater service—Toronto:

System-owned—First 400 watts \$2.90 per month.

Each 100 watts additional 40 ¢ per month, plus a monthly charge for larger tank sizes as follows:

30 ¢ for 1,000-watt and 1,200-watt heaters.

40 ¢ for 1,500-watt heaters.

50 ¢ for 2,000-watt and 2,500-watt heaters.

55 ¢ for heaters 3,000 watts and over.

Customer-owned—First 400 watts \$1.98 per month.

Each 100 watts additional 40 ¢ per month.

°Commercial customers with a connected load of under 5 kilowatts billed at domestic rates.

°Farm customers billed at standard rural rates.

Municipal Electrical CUSTOMERS, REVENUE, for the Year Ended MUNICIPALITIES

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Ancaster Twp.....	11,854	1,021	84,782.46	6,737,718	949	592	1.26
Barrie.....	18,645	5,783	322,991.41	32,916,096	5,012	547	0.98
Belleville.....	20,832	7,112	315,579.48	40,205,132	5,977	561	0.78
Brampton.....	13,518	4,122	247,064.32	20,813,098	3,604	481	1.18
Brantford.....	51,669	16,993	805,791.33	70,538,964	14,709	400	1.14
Brockville.....	15,456	4,813	231,176.75	21,844,761	4,190	434	1.06
Burlington.....	32,635	3,288	202,016.05	18,237,608	2,877	528	1.11
Chatham.....	22,259	7,475	305,320.71	16,624,658	6,229	222	1.84
Dundas.....	10,210	3,267	173,072.27	14,107,894	2,897	406	1.23
● East York Twp.....	69,182	20,777	1,239,287.57	107,493,523	19,607	.....	.....
Etobicoke Twp.....	111,958	38,034	2,615,706.31	231,135,770	35,125	548	1.13
Forest Hill.....	19,944	6,804	526,624.53	45,435,780	6,102	621	1.16
Fort William.....	40,287	12,510	651,587.13	84,415,470	10,868	647	0.77
Galt.....	24,555	8,091	421,520.58	36,140,687	7,140	422	1.17
Guelph.....	34,323	10,656	616,106.07	55,335,691	9,478	487	1.11
Hamilton.....	240,891	72,887	3,539,333.78	313,564,384	63,642	411	1.13
Kingston.....	46,239	14,818	761,576.54	83,582,500	13,070	533	0.91
† Kirkland Lake (including Swastika).....	\$19,394	5,547	261,516.79	18,165,258	4,665	324	1.44
Kitchener.....	62,076	19,701	1,224,421.33	108,073,131	17,734	508	1.13
Lindsay.....	10,331	3,590	198,217.54	15,523,037	3,042	425	1.28
London.....	98,318	30,896	1,475,445.18	120,476,744	27,718	362	1.22
● London Twp.....	34,181	940	61,773.34	4,572,510	920	.....	.....
Long Branch.....	10,532	3,912	198,238.74	17,728,493	3,534	418	1.12
● Mimico.....	13,838	4,895	243,791.52	21,968,339	4,673	.....	.....
• New Toronto.....	10,080	3,431	175,630.63	15,963,337	3,159	.....	.....
● Niagara Falls.....	23,852	7,467	389,091.47	32,151,089	6,863	390	1.21
North Bay.....	22,001	6,715	385,703.42	34,273,174	5,637	507	1.13
North York Twp.....	182,942	56,783	4,048,392.94	339,722,077	51,960	545	1.19
Oakville.....	10,147	3,405	176,443.33	13,277,420	2,786	397	1.33
Orillia.....	13,973	5,038	224,418.74	22,769,859	4,265	445	0.99
● Oshawa.....	52,143	16,370	797,319.91	95,524,826	14,760	539	0.83
• Ottawa (including Eastview and Rockcliffe Park).....	248,981	76,353	3,681,067.85	472,923,445	66,471	.....	.....
● Owen Sound.....	17,485	5,921	288,742.33	26,264,161	5,458	.....	.....
Peterborough.....	43,568	13,891	774,525.00	79,671,948	12,301	540	0.97
Port Arthur.....	38,316	12,306	613,856.86	72,300,270	10,773	559	0.85
Port Colborne.....	14,634	4,471	171,872.93	13,097,746	3,906	279	1.31
• Richmond Hill.....	10,932	3,476	248,795.61	18,074,927	3,194	472	1.38
● Riverside.....	14,798	4,634	243,538.62	16,883,121	4,507	.....	.....
St. Catharines.....	40,632	13,814	716,791.04	57,315,274	11,933	400	1.25
St. Thomas.....	19,202	6,822	333,642.91	27,440,009	5,967	383	1.22

† Local system

• New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

§ Estimated

**Utilities and Local Systems
AND CONSUMPTION
December 31, 1957
Population 10,000 or more**

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
15,618.83	589,290	63	779	2.65	3,379.51	199,680	9	102	1,849	1.69
151,451.64	10,608,305	677	1,306	1.43	149,838.29	17,794,417	94	5,910	15,775	0.84
186,468.55	16,323,051	985	1,381	1.14	130,816.58	16,575,924	150	5,526	9,209	0.79
99,075.31	6,095,968	413	1,230	1.63	104,807.46	9,794,773	105	3,571	7,774	1.07
311,103.30	24,470,452	1,956	1,043	1.27	752,415.93	76,954,922	328	27,635	19,552	0.98
88,161.93	6,684,926	534	1,043	1.32	252,171.84	30,276,352	89	8,419	28,349	0.83
106,017.13	6,058,913	364	1,387	1.75	44,236.93	2,839,060	47	1,166	5,034	1.56
341,683.75	16,220,710	1,032	1,310	2.11	405,538.38	32,253,945	214	11,526	12,560	1.26
71,570.93	3,988,462	297	1,119	1.79	95,405.59	8,262,193	73	3,469	9,432	1.15
229,333.50	16,473,309	997	.....	.....	299,133.05	31,057,900	173	9,894	.....	.....
685,821.04	48,211,624	2,304	1,744	1.42	1,163,684.26	138,346,105	605	37,450	19,056	0.84
154,309.28	9,689,030	605	1,335	1.59	28,903.41	2,246,575	97	1,050	1,930	1.29
307,258.60	30,036,015	1,425	1,757	1.02	494,062.95	55,763,351	217	20,652	21,414	0.89
163,550.45	9,227,095	757	1,016	1.77	428,057.21	41,922,533	194	14,205	18,008	1.02
228,011.91	15,288,797	987	1,291	1.49	424,326.86	49,250,715	191	14,811	21,488	0.86
1,830,970.81	144,780,572	7,856	1,536	1.26	7,243,771.56	1,040,851,608	1,389	225,102	62,446	0.70
524,535.37	43,983,947	1,506	2,434	1.19	356,927.18	35,080,074	242	11,768	12,080	1.02
145,997.24	9,888,571	763	1,080	1.48	62,840.34	5,183,303	119	1,680	3,630	1.21
545,524.26	34,260,046	1,604	1,780	1.59	1,252,552.23	119,876,275	363	35,429	27,520	1.04
105,438.26	5,638,832	463	1,015	1.87	111,417.37	12,621,891	85	3,367	12,374	0.88
801,447.29	58,693,178	2,752	1,777	1.37	1,162,251.99	134,649,679	426	38,390	26,340	0.86
7,564.87	371,820	15	.....	.....	8,626.71	793,157	5	217	.....	.....
56,294.40	3,775,759	335	939	1.49	66,524.54	5,590,399	43	2,281	10,834	1.19
85,424.90	5,838,874	158	.....	.....	64,666.63	4,913,021	64	2,170	.....	.....
103,710.41	7,243,439	193	.....	.....	516,411.30	64,190,440	79	16,114	.....	.....
290,777.01	23,171,863	548	3,523	1.25	236,136.71	24,890,496	56	7,131	37,039	0.95
220,889.95	16,203,671	945	1,429	1.36	120,563.22	10,428,512	133	3,577	6,534	1.16
1,461,161.53	87,001,418	4,075	1,779	1.68	1,090,362.74	102,563,201	748	35,297	11,426	1.06
137,861.88	7,513,874	519	1,206	1.83	168,260.55	16,976,882	100	5,422	14,147	0.99
131,418.04	9,822,042	640	1,279	1.34	285,513.28	29,560,643	133	11,413	18,522	0.97
321,548.81	26,543,314	1,376	1,608	1.21	1,077,693.77	134,074,393	234	34,826	47,747	0.80
3,709,252.76	298,487,406	9,657	.....	.....	610,819.25	54,589,043	225	20,886	.....	.....
126,047.73	8,370,452	328	.....	.....	147,458.05	12,870,011	135	5,862	.....	.....
367,331.21	23,908,838	1,357	1,468	1.54	535,619.56	64,705,784	233	19,193	23,142	0.83
317,714.31	28,720,834	1,356	1,765	1.11	559,591.49	59,910,597	177	24,157	28,207	0.93
90,586.48	4,869,754	494	821	1.86	78,813.04	7,673,819	71	2,477	9,007	1.03
49,418.86	2,598,870	237	914	1.90	54,399.98	3,984,985	45	1,442	7,380	1.37
32,438.88	2,058,148	99	.....	.....	31,690.28	1,799,557	28	1,105	.....	.....
411,955.87	24,024,464	1,601	1,251	1.71	1,021,535.57	101,466,629	280	29,720	30,198	1.01
151,684.35	11,033,018	745	1,234	1.37	240,887.40	26,120,970	110	8,400	19,789	0.92

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
●Sandwich East Twp.....	20,768	5,808	353,443.18	14,838,691	5,610	220	2.38
●Sandwich West Twp.....	20,747	6,116	454,865.07	22,208,606	5,816	318	2.05
●Sarnia.....	44,953	13,797	633,760.06	48,558,989	12,931	.....	.....
Scarborough Twp.....	151,885	48,390	3,377,683.34	260,536,249	44,896	484	1.30
Stamford Twp.....	27,156	7,861	517,502.79	45,074,931	7,339	512	1.15
Stratford.....	20,359	6,800	405,777.48	35,573,146	5,993	495	1.14
Sudbury.....	47,701	15,480	946,959.95	79,591,458	13,671	485	1.19
†Timmins (including Schumacher)...	\$30,726	9,217	453,222.60	32,495,110	7,936	341	1.39
Toronto (including Leaside).....	662,507	201,881	11,178,122.21	892,304,830	167,355	444	1.25
●Toronto Twp.....	48,446	12,491	1,010,715.05	77,169,809	11,736	.....	.....
Trafalgar Twp.....	18,430	4,453	425,064.28	27,984,357	4,267	547	1.52
Trenton.....	11,321	3,678	161,541.48	20,124,973	3,226	520	0.80
Waterloo.....	17,323	5,395	332,615.10	31,975,298	4,914	542	1.04
Welland.....	17,324	5,169	173,941.84	14,251,608	4,428	268	1.22
●Windsor.....	120,551	37,058	1,424,793.87	124,290,639	34,147	303	1.15
●Woodstock.....	18,422	6,250	356,734.01	30,929,771	5,737	.....	.....
●York Twp.....	117,503	37,584	1,852,689.86	195,674,602	36,134	451	0.95

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

§ Estimated

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Population 10,000 or more—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
68,723.48	3,003,020	153	1,636	2.29	109,983.13	5,054,846	45	2,365	9,361	2.18
107,237.56	4,940,277	249	1,653	2.17	90,698.73	4,532,204	51	1,964	7,406	2.00
302,573.19	20,356,652	724	.....	.....	1,049,100.96	146,058,913	142	23,991	.....	.....
835,724.99	50,286,339	3,005	1,395	1.66	1,271,984.22	128,800,716	489	36,178	21,950	0.99
150,410.74	6,938,434	450	1,285	2.17	142,347.70	13,766,216	72	4,240	15,933	1.03
151,364.25	9,640,914	643	1,249	1.57	210,514.06	20,504,814	164	7,153	10,419	1.03
484,415.36	27,958,145	1,608	1,449	1.73	148,628.77	11,583,405	201	4,434	4,802	1.28
209,280.02	13,041,214	1,140	953	1.60	55,525.23	2,548,691	141	1,667	1,506	2.18
8,692,870.18	583,541,250	27,967	1,739	1.49	13,153,215.98	1,298,509,129	6,559	357,136	16,498	1.01
290,907.37	16,327,953	584	.....	.....	1,179,322.11	144,802,037	171	26,722	.....	.....
54,102.66	2,039,324	149	1,141	2.65	61,353.51	3,677,067	37	1,771	8,282	1.67
71,637.86	6,308,112	369	1,425	1.14	295,067.37	47,143,463	83	9,680	47,333	0.63
108,879.89	6,611,894	380	1,450	1.65	237,947.33	21,731,947	101	6,803	17,931	1.09
147,702.22	9,506,845	613	1,292	1.55	365,035.20	37,711,630	128	10,794	24,552	0.97
764,036.59	56,768,552	2,165	2,185	1.35	1,871,518.44	176,552,807	746	50,947	19,722	1.06
174,395.22	9,929,363	375	.....	.....	324,227.36	35,056,745	138	10,141	.....	.....
372,179.60	29,739,364	1,030	2,406	1.25	563,549.43	57,489,098	420	20,249	11,407	1.19

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Acton.....	3,903	1,269	75,257.51	6,023,147	1,105	454	1.25
Ajax.....	7,058	2,051	126,457.71	9,601,450	1,834	436	1.32
Alexandria.....	2,436	829	32,374.37	2,681,581	671	333	1.21
Alliston.....	2,896	994	46,676.13	4,236,393	813	434	1.10
Almonte.....	3,053	1,017	41,550.62	4,443,866	863	429	0.94
Amherstburg.....	4,377	1,368	88,389.50	6,821,256	1,140	499	1.30
● Arnprior.....	5,336	1,643	88,348.26	7,260,858	1,466	.....	.....
● Atikokan Twp.....	6,961	1,875	144,261.28	9,910,923	1,746	473	1.46
● Aurora.....	3,976	1,494	75,673.75	7,177,072	1,267	.....	.....
Aylmer.....	4,408	1,558	64,758.81	5,980,856	1,291	386	1.08
Bancroft.....	2,414	747	30,036.81	1,950,700	618	263	1.54
Beamsville.....	2,152	773	42,608.54	4,013,107	658	508	1.06
Blenheim.....	2,840	1,058	30,034.76	1,875,230	857	182	1.60
† Blind River.....	3,719	1,096	55,921.23	3,063,013	886	288	1.83
Bowmanville.....	6,906	2,329	118,518.90	10,634,870	2,050	432	1.11
Bracebridge.....	2,810	1,243	60,099.20	4,266,988	1,002	355	1.41
Bradford.....	2,124	742	35,151.65	2,891,345	578	417	1.22
Brantford Twp.....	6,483	1,822	196,146.75	10,857,386	1,614	561	1.81
Brighton.....	2,117	937	42,517.00	3,244,356	764	354	1.31
Bronte.....	2,114	637	37,935.62	2,534,180	563	375	1.50
†* Burlington Beach.....	.....	.....	9,770.64	806,650	.....	.....	.....
Caledonia.....	2,074	775	24,523.15	1,783,930	629	236	1.37
Capreol.....	2,564	847	57,416.04	3,949,578	760	433	1.45
Cardinal.....	2,075	637	32,406.12	2,752,213	561	409	1.18
● Carleton Place.....	4,684	1,670	71,197.51	6,662,287	1,550	.....	.....
Chapleau Twp.....	3,496	922	73,452.78	1,333,334	808	138	5.51
Chippawa.....	2,134	725	37,944.96	3,218,110	657	408	1.18
Clinton.....	2,920	1,118	60,502.66	4,706,189	910	431	1.29
† Cobalt.....	2,232	733	36,473.61	2,182,321	605	301	1.67
Cobourg.....	8,548	3,056	183,169.43	15,295,029	2,659	479	1.20
Cochrane.....	3,753	1,216	79,573.55	6,046,551	996	506	1.32
Collingwood.....	7,880	2,841	120,319.18	9,897,454	2,421	341	1.22
● Coniston.....	2,493	623	35,517.32	2,483,425	606	342	1.43
Delhi.....	3,140	1,259	48,568.08	4,015,955	1,001	334	1.21
● Dresden.....	2,216	873	24,080.33	1,341,625	787	.....	.....
Dryden.....	4,767	1,486	102,672.87	7,733,874	1,284	502	1.33
Dunnville.....	4,996	1,826	56,376.46	3,367,758	1,508	186	1.67
Durham.....	2,051	805	30,871.04	2,442,910	652	312	1.26
● Elmira.....	2,839	1,056	55,303.15	4,909,145	967	.....	.....
Essex.....	3,464	1,165	39,018.64	2,613,290	953	229	1.49

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

* 2 months' operation, see Hamilton

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Population 2,000 to 9,999

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
26,683.06	1,343,155	136	823	1.99	86,295.33	6,488,155	28	2,385	19,310	1.33
43,653.50	1,909,369	162	982	2.29	137,804.87	10,787,161	55	3,521	16,344	1.28
20,514.28	1,269,833	138	767	1.62	21,893.33	1,204,522	20	632	5,019	1.82
21,765.78	1,114,558	156	595	1.95	12,815.76	924,207	25	452	3,081	1.39
16,824.60	1,026,489	128	668	1.64	29,509.76	3,259,587	26	1,022	10,447	0.91
37,845.57	2,162,086	198	910	1.75	58,029.82	4,623,965	30	1,589	12,844	1.25
39,874.74	2,471,808	143	.....	.....	62,654.24	5,145,431	34	1,892	.....	.....
62,599.80	3,317,772	104	2,658	1.89	13,739.79	902,930	25	391	3,010	1.52
37,221.27	2,641,301	188	.....	.....	46,931.82	4,049,368	39	1,583	.....	.....
38,752.87	2,775,560	231	1,001	1.40	60,576.81	5,186,740	36	1,984	12,006	1.17
20,231.61	945,340	120	657	2.14	4,191.44	169,160	9	154	1,566	2.48
16,178.88	976,997	103	790	1.66	9,316.78	518,085	12	344	3,598	1.80
31,216.55	1,625,589	178	761	1.92	28,170.44	1,378,800	23	792	4,996	2.04
47,832.98	2,223,304	196	945	2.15	16,588.72	1,021,255	14	391	6,079	1.62
40,283.63	2,368,586	241	819	1.70	86,088.01	9,870,034	38	2,775	21,644	0.87
43,648.80	2,911,042	221	1,098	1.50	11,876.48	716,106	20	463	2,984	1.66
25,591.33	1,173,759	135	725	2.18	19,335.63	1,541,452	29	539	4,429	1.25
49,531.91	2,194,480	176	1,039	2.26	81,707.74	4,202,847	32	2,037	10,945	1.94
21,816.01	1,016,426	161	526	2.15	8,100.58	576,350	12	291	4,002	1.41
10,450.51	544,875	65	699	1.92	3,509.45	207,426	9	122	1,921	1.69
2,627.49	150,285	.....	.....	.....	413.24	8,486	.....	68	.....	.....
16,510.68	1,017,432	125	678	1.62	11,262.28	711,783	21	337	2,825	1.58
10,668.61	669,610	85	656	1.59	14,147.58	1,315,920	2	293	54,830	1.08
9,187.78	480,880	71	564	1.91	1,448.00	94,528	5	42	1,575	1.53
27,971.59	1,508,808	95	.....	.....	37,593.88	3,646,403	25	1,329	.....	.....
33,691.68	519,992	98	442	6.48	13,938.42	412,740	16	162	2,150	3.38
9,017.15	478,159	64	623	1.89	1,683.01	121,958	4	59	2,541	1.38
30,696.78	1,547,944	182	709	1.98	22,670.59	1,403,515	26	607	4,498	1.62
25,181.01	1,022,455	117	728	2.46	7,987.70	693,844	11	225	5,256	1.15
84,243.12	4,876,679	333	1,220	1.73	132,269.28	12,864,614	64	3,921	16,751	1.03
50,082.83	2,736,020	191	1,194	1.83	18,834.69	1,397,739	29	543	4,016	1.35
66,328.45	4,042,489	358	941	1.64	81,711.38	7,214,771	62	2,990	9,697	1.13
5,371.31	252,160	16	1,313	2.13	305.64	10,600	1	11	883	2.88
38,996.53	2,092,209	217	804	1.86	34,276.54	2,254,103	41	1,054	4,582	1.52
27,155.79	1,410,259	60	.....	.....	25,674.60	1,381,526	26	804	.....	.....
72,903.61	2,970,535	180	1,375	2.45	7,676.38	414,700	22	245	1,571	1.85
50,829.83	2,624,982	280	781	1.94	81,061.10	6,520,631	38	2,035	14,300	1.24
18,493.24	919,510	128	599	2.01	25,124.03	1,423,188	25	771	4,744	1.77
25,828.25	1,470,551	61	.....	.....	66,401.10	6,067,009	28	1,920	.....	.....
30,935.11	1,775,562	178	831	1.74	20,902.44	1,119,196	34	735	2,743	1.87

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Exeter	2,699	1,133	61,428.24	4,564,931	927	410	1.35
Fergus	3,710	1,274	78,550.78	5,693,006	1,097	432	1.38
● Forest	2,025	844	39,387.85	3,491,510	773	.....	.....
Georgetown	6,534	2,599	164,180.71	12,291,592	2,360	434	1.34
† Geraldton	3,054	994	53,739.40	2,904,697	829	292	1.85
Goderich	5,775	2,202	123,864.42	8,882,791	1,842	402	1.39
Gravenhurst	3,030	1,285	50,064.93	4,802,315	1,064	376	1.04
Grimsby	4,289	1,535	62,384.52	5,565,385	1,278	363	1.12
Hagersville	2,010	723	23,200.07	1,699,063	553	256	1.37
† Haileybury	2,474	845	45,827.69	3,537,899	692	426	1.30
Hanover	4,043	1,457	63,595.90	5,860,595	1,245	392	1.09
Hawkesbury	8,220	2,039	100,703.94	6,091,493	1,778	286	1.65
● Hearst	2,193	738	52,961.89	2,249,266	665	282	2.35
Hespeler	4,108	1,304	60,744.16	4,728,238	1,145	344	1.28
Huntsville	3,177	1,182	55,420.33	5,229,799	958	455	1.06
Ingersoll	6,852	2,289	106,950.60	7,232,990	1,993	302	1.48
● Kapuskasing	5,805	1,643	101,168.39	8,482,555	1,475	479	1.19
Kincardine	2,644	1,148	42,307.45	3,716,455	971	319	1.14
● Kingsville	2,988	1,201	42,268.87	3,418,411	1,063	.....	.....
La Salle	2,830	821	62,300.21	3,692,667	769	400	1.69
● Leamington	8,316	2,981	105,907.05	7,853,235	2,750	.....	.....
● Listowel	3,438	1,406	68,225.23	5,282,606	1,263	.....	.....
● Markham	3,520	1,109	75,154.56	5,757,851	965	497	1.31
† Mattawa	3,175	753	42,319.68	2,317,411	649	298	1.83
McGarry	2,976	489	29,982.19	2,376,980	432	459	1.26
Meaford	3,565	1,470	57,790.35	5,168,377	1,244	346	1.12
Merritt	5,557	1,634	88,282.71	7,267,185	1,482	409	1.21
● Midland	8,255	2,649	127,979.43	11,313,060	2,461	.....	.....
Milton	4,497	1,522	105,032.71	7,701,349	1,331	482	1.36
Mitchell	2,159	869	46,144.42	3,538,838	708	417	1.30
Morrisburg	2,145	874	36,172.23	3,186,712	689	385	1.14
● Mount Forest	2,424	927	38,530.59	3,259,928	833	.....	.....
Napanee	4,362	1,621	77,183.82	7,305,355	1,328	458	1.06
New Hamburg	2,018	676	35,886.71	2,935,054	546	448	1.22
† New Liskeard	4,422	1,484	84,729.53	6,397,303	1,220	437	1.32
Newmarket	7,500	2,445	137,819.84	12,815,390	2,117	504	1.08
Niagara	2,723	1,055	66,226.11	6,055,878	915	552	1.09
Nipigon Twp.	2,502	675	32,106.29	2,847,728	560	424	1.13
● Orangeville	4,126	1,534	78,560.56	6,760,265	1,381	408	1.16
Paris	5,698	1,910	88,761.91	6,732,089	1,651	340	1.32

† Local system

● New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Population 2,000 to 9,999—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
26,342.11	1,461,077	175	696	1.80	20,216.49	1,055,626	31	705	2,838	1.92
28,715.89	1,408,790	152	772	2.04	52,753.05	3,940,592	25	1,624	13,135	1.34
20,270.55	1,093,900	48	.....	.....	12,652.25	1,069,645	23	391	.....	.....
46,518.75	2,394,217	203	983	1.94	100,691.17	10,097,392	36	2,712	23,373	1.00
41,545.18	1,796,139	150	998	2.31	4,430.93	331,587	15	114	1,842	1.34
51,342.42	2,145,884	303	590	2.39	97,786.37	5,521,898	57	2,575	8,073	1.77
31,728.46	2,507,336	192	1,088	1.27	34,966.91	3,167,507	29	1,278	9,102	1.10
41,357.12	2,639,694	227	969	1.57	24,346.84	2,062,467	30	804	5,729	1.18
21,768.86	1,236,688	146	706	1.76	41,637.15	3,282,822	24	1,392	11,399	1.27
26,299.07	1,147,002	130	735	2.29	10,990.96	737,275	23	326	2,671	1.49
23,858.98	1,457,315	175	694	1.64	47,566.02	4,102,022	37	1,803	9,239	1.16
74,999.18	3,200,962	236	1,130	2.34	11,294.94	702,853	25	359	2,343	1.61
30,660.53	1,143,320	63	1,512	2.68	5,338.01	299,340	10	99	2,495	1.78
19,954.94	1,035,982	127	680	1.93	158,762.75	16,827,119	32	5,108	43,821	0.94
45,952.21	2,729,042	195	1,166	1.68	29,291.08	3,061,657	29	1,010	8,798	0.96
54,164.81	2,961,542	248	995	1.83	109,878.78	9,528,985	48	3,335	16,543	1.15
57,790.05	3,366,073	138	2,033	1.72	7,574.18	439,696	30	355	1,221	1.72
22,531.16	1,138,247	155	612	1.98	36,263.08	2,747,322	22	1,010	10,407	1.32
26,130.91	1,542,195	110	.....	.....	24,824.38	1,464,285	28	1,044	.....	.....
13,416.63	498,453	48	865	2.69	1,755.88	47,704	4	45	994	3.68
69,931.43	4,063,595	167	.....	.....	95,433.12	9,550,182	64	2,526	.....	.....
38,944.26	2,010,242	110	.....	.....	42,630.64	2,823,379	33	1,290	.....	.....
24,290.75	1,293,825	122	884	1.88	12,121.54	572,181	22	451	2,167	2.12
38,202.78	1,429,737	96	1,241	2.67	17,226.70	998,300	8	417	10,399	1.73
14,564.27	778,909	54	1,202	1.87	2,274.01	143,700	3	50	3,992	1.58
27,601.45	1,850,899	194	795	1.49	28,147.98	1,858,146	32	873	4,839	1.51
26,050.42	1,279,815	124	860	2.04	556,472.80	74,950,578	28	14,635	223,067	0.74
56,405.42	3,787,316	130	.....	.....	111,631.75	10,259,783	58	4,879	.....	.....
36,176.89	1,720,323	162	885	2.10	90,336.14	6,947,706	29	2,311	19,965	1.30
19,278.71	926,627	135	572	2.08	27,201.70	1,632,155	26	708	5,231	1.67
20,613.01	1,273,366	164	647	1.62	9,261.86	753,237	21	301	2,989	1.23
23,002.89	1,408,615	67	.....	.....	15,477.84	968,117	27	499	.....	.....
52,501.76	3,050,992	263	967	1.72	32,313.65	2,888,804	30	1,183	8,024	1.12
15,427.83	758,556	112	564	2.03	19,299.60	1,171,787	18	529	5,425	1.65
49,808.09	2,770,746	230	1,004	1.80	57,594.34	3,502,166	34	1,235	8,584	1.64
76,041.79	4,829,168	286	1,407	1.57	49,066.52	3,691,134	42	1,655	7,324	1.33
23,686.55	1,365,722	126	903	1.73	6,664.47	377,723	14	237	2,248	1.76
23,867.36	1,797,173	106	1,413	1.33	6,353.47	490,070	9	229	4,538	1.30
28,141.38	1,858,880	115	1,347	1.51	13,586.66	1,025,906	38	612	2,250	1.32
27,220.78	1,791,494	219	682	1.52	53,676.55	4,553,451	40	2,060	9,486	1.18

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Parry Sound.....	5,475	1,845	81,381.06	7,439,232	1,544	402	1.09
Penetanguishene.....	4,716	1,347	54,592.20	4,648,164	1,166	332	1.17
Perth.....	5,177	1,884	75,528.34	7,221,469	1,565	385	1.05
Petrolia.....	3,558	1,269	42,617.43	2,552,535	1,053	202	1.67
• Picton.....	4,901	1,849	86,081.65	8,240,092	1,515	.....	.....
● Point Edward.....	2,568	779	29,856.54	2,210,010	730	.....	.....
Port Credit.....	6,201	2,506	138,989.54	11,694,136	2,200	443	1.19
● Port Dalhousie.....	3,298	1,043	78,372.77	6,257,630	982	.....	.....
Port Dover.....	2,767	1,412	41,058.77	2,886,260	1,195	201	1.42
● Port Hope.....	7,509	2,629	165,545.67	13,939,527	2,439	476	1.19
● Port Perry.....	2,186	771	40,737.06	2,978,670	648	.....	.....
● Prescott.....	5,083	1,633	88,464.22	8,020,255	1,518	.....	.....
Preston.....	9,903	2,979	174,130.63	13,006,935	2,602	417	1.34
† Red Lake Townsite.....	2,007	822	44,788.28	2,510,386	648	323	1.78
• Renfrew.....	8,433	2,596	139,172.32	10,517,465	2,222	394	1.32
Ridgetown.....	2,450	1,005	26,847.83	1,769,987	807	183	1.52
Rockland.....	2,803	693	34,048.88	2,022,089	630	267	1.68
● St. Mary's.....	4,130	1,542	89,404.63	7,534,090	1,405	447	1.19
Schreiber Twp.....	2,008	589	33,075.03	3,076,573	523	490	1.08
Seaforth.....	2,089	800	37,282.87	2,933,275	649	377	1.27
Simcoe.....	8,217	3,073	98,199.41	8,245,194	2,478	277	1.19
Sioux Lookout.....	2,311	928	60,409.95	3,976,924	778	426	1.52
Smith's Falls.....	8,664	3,172	143,795.87	14,829,817	2,716	455	0.97
† South Porcupine Townsite.....	5,618	1,761	73,566.34	4,838,211	1,489	271	1.52
● Stoney Creek.....	5,379	1,734	128,434.64	10,310,401	1,549	.....	.....
Stouffville.....	2,505	890	48,967.73	4,201,898	761	460	1.17
Strathroy.....	4,529	1,612	74,651.66	7,086,180	1,335	442	1.05
Streetsville.....	3,766	1,221	74,078.85	5,325,820	1,090	407	1.39
● Sturgeon Falls.....	5,826	1,503	74,199.44	4,707,035	1,403	.....	.....
Swansea.....	8,710	3,074	184,762.61	15,750,692	2,845	461	1.17
Tecumseh.....	4,212	1,290	56,012.01	3,287,750	1,164	235	1.70
Thorold.....	8,180	2,429	114,316.45	9,498,135	2,152	368	1.20
• Tilbury.....	3,030	1,066	31,901.88	1,941,810	873	185	1.64
Tillsonburg.....	6,239	2,356	96,129.88	6,652,635	1,918	289	1.44
● Uxbridge.....	2,136	828	37,294.37	3,234,145	751	.....	.....
Walkerton.....	3,663	1,247	53,928.77	4,342,925	1,030	351	1.24
Wallaceburg.....	7,907	2,818	87,530.85	5,348,872	2,329	191	1.64
West Ferris Twp.....	3,907	1,455	96,714.25	5,909,999	1,308	377	1.64
Weston.....	9,404	3,128	183,720.01	16,582,722	2,724	507	1.11
Whitby.....	8,600	2,910	154,551.91	14,423,689	2,557	470	1.07
Wingham.....	2,788	1,029	47,506.76	4,404,179	825	445	1.08
Woodbridge.....	2,096	724	46,909.51	3,879,343	607	533	1.21

† Local system

• New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

**Utilities and Local Systems
AND CONSUMPTION
December 31, 1957**

Population 2,000 to 9,999—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
49,993.43	2,677,810	280	797	1.87	14,817.56	1,105,177	21	520	4,386	1.34
25,408.58	1,641,888	160	855	1.55	34,398.60	3,157,517	21	1,170	12,530	1.09
37,588.89	2,622,690	272	804	1.43	36,392.71	3,219,927	47	1,561	5,709	1.13
27,776.07	1,262,820	176	598	2.20	43,381.62	2,200,638	40	806	4,585	1.97
49,482.52	3,519,664	288	.....	.....	19,538.10	1,863,519	46	820	.....	.....
10,343.98	565,790	30	.....	.....	123,593.63	9,180,615	19	3,669	.....	.....
64,501.80	3,975,724	263	1,260	1.62	136,194.85	17,129,924	43	3,321	33,198	0.80
11,411.39	633,129	44	.....	.....	10,523.13	596,919	17	346	.....	.....
24,475.83	1,518,095	187	677	1.61	32,987.80	3,324,873	30	1,044	9,236	0.99
48,502.43	2,955,475	141	1,747	1.64	167,258.81	16,456,100	49	4,157	27,986	1.02
15,114.02	729,862	112	.....	.....	5,908.31	376,468	11	184	.....	.....
23,612.93	1,500,076	80	.....	.....	36,824.41	2,977,658	35	1,366	.....	.....
56,364.12	3,090,890	287	897	1.82	213,459.82	16,007,238	90	6,837	14,822	1.33
41,736.94	1,934,992	166	971	2.16	8,085.84	307,845	8	186	3,207	2.63
53,241.36	3,574,857	303	983	1.49	83,994.54	7,135,508	71	2,980	8,375	1.18
24,407.50	1,298,232	167	648	1.88	22,473.00	1,251,983	31	706	3,366	1.79
11,722.19	504,448	59	713	2.32	1,824.84	166,190	4	67	3,462	1.10
19,755.31	1,172,441	90	1,086	1.68	45,832.93	3,640,753	47	1,411	6,455	1.26
11,776.47	790,877	63	1,046	1.49	5,169.41	474,560	3	118	13,182	1.09
24,588.52	1,221,870	129	789	2.01	23,088.32	1,489,841	22	721	5,643	1.55
97,446.99	6,682,369	504	1,104	1.46	100,750.56	8,843,267	91	3,307	8,098	1.14
29,879.07	1,112,295	132	702	2.69	12,595.56	1,045,764	18	280	4,841	1.20
70,934.83	5,276,078	400	1,099	1.34	64,252.87	6,136,417	56	2,418	9,132	1.05
30,677.70	1,722,583	232	619	1.78	8,545.73	610,997	40	323	1,273	1.40
38,684.86	2,135,237	168	.....	.....	21,251.34	1,141,994	17	661	.....	.....
24,392.02	1,379,020	117	982	1.77	10,256.80	456,469	12	304	3,170	2.25
39,429.58	2,605,326	227	956	1.51	44,509.73	3,128,245	50	1,743	5,214	1.42
20,350.67	1,101,697	109	842	1.85	31,988.63	2,943,030	22	913	11,148	1.09
43,754.44	2,106,247	86	.....	.....	6,079.71	346,785	14	223	.....	.....
52,860.27	3,089,163	189	1,362	1.71	61,191.56	6,352,533	40	1,909	13,234	0.96
19,258.70	906,858	110	687	2.12	7,655.71	296,660	16	250	1,545	2.58
44,022.07	2,644,180	238	926	1.66	317,381.11	45,144,297	39	8,664	96,462	0.70
28,645.77	1,596,580	172	774	1.79	31,479.53	1,440,455	21	1,203	5,716	2.19
91,340.82	4,937,259	390	1,055	1.85	60,938.57	4,534,918	48	1,782	7,873	1.34
13,692.02	763,590	56	.....	.....	19,112.81	903,685	21	696	.....	.....
35,433.83	1,904,168	197	806	1.86	28,671.28	2,271,619	20	898	9,465	1.26
75,886.58	4,150,547	403	858	1.83	275,184.05	27,443,215	86	7,549	26,592	1.00
41,953.75	1,991,649	138	1,203	2.11	21,356.79	1,989,962	9	512	18,426	1.07
109,664.68	7,279,347	340	1,784	1.51	138,284.38	12,873,057	64	4,464	16,762	1.07
59,327.21	3,619,954	303	996	1.64	179,478.51	20,371,753	50	5,031	33,953	0.88
23,707.60	1,353,631	169	667	1.75	34,698.90	2,191,042	35	1,120	5,217	1.58
18,609.17	914,774	101	755	2.03	45,995.36	4,875,991	16	1,310	25,396	0.94

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Ailsa Craig	513	223	8,162.62	545,620	175	260	1.50
Alfred	939	287	11,385.58	422,920	239	147	2.69
Alvinston	630	322	6,902.22	368,150	251	122	1.87
Apple Hill	400	114	3,761.54	219,232	97	188	1.72
● Arkona	422	183	9,085.58	595,574	169	.....	.....
● Arthur	1,166	468	17,979.90	1,402,097	416	.....	.....
● Athens	943	331	10,034.81	936,815	316	.....	.....
Ayr	980	357	15,534.06	1,326,063	298	371	1.17
● Baden	788	258	13,257.98	1,105,761	245	376	1.20
† Bala	*458	729	22,554.45	1,009,798	649	130	2.23
Barry's Bay	1,479	379	13,090.71	497,805	317	131	2.63
Bath	626	240	12,728.17	874,660	214	341	1.46
● Beachville	799	279	14,473.13	1,216,124	271	374	1.19
† Beardmore	1,099	303	15,253.86	829,371	233	297	1.84
Beaverton	1,061	511	21,357.56	1,647,850	420	327	1.30
Beeton	665	300	12,706.56	822,046	244	281	1.55
● Belle River	1,864	655	25,844.17	1,327,550	598	.....	.....
Bloomfield	723	302	10,157.40	934,510	245	318	1.09
Blyth	770	325	12,045.06	924,070	247	312	1.30
Bobcaygeon	1,144	667	22,790.44	1,336,330	546	204	1.71
● Bolton	1,259	471	31,162.14	2,170,211	432	.....	.....
Bothwell	797	312	7,276.18	531,370	235	188	1.37
Braeside	495	136	6,022.41	348,473	125	232	1.73
● Brechin	219	93	2,976.87	245,919	77	266	1.21
Bridgeport	1,571	403	25,034.76	1,954,473	359	454	1.28
Brigden	511	215	4,526.11	296,530	158	156	1.53
Brussels	788	369	14,931.14	1,218,000	282	360	1.23
Burford	1,035	395	20,013.06	1,672,425	327	426	1.20
Burgessville	238	98	4,713.34	352,400	76	386	1.34
Burk's Falls	907	322	13,061.69	813,280	256	265	1.61
Cache Bay	845	201	7,843.04	287,965	182	132	2.72
Campbellville	320	83	5,576.61	402,950	72	466	1.38
Cannington	981	425	17,599.32	1,421,310	343	345	1.24
● Casselman	1,229	353	17,943.19	927,117	332	.....	.....
● Cayuga	808	339	9,998.19	665,162	300	.....	.....
● Chalk River	917	259	17,837.53	955,102	247	322	1.87
● Chatsworth	391	166	6,817.20	534,820	145	307	1.27
Chesley	1,635	698	27,130.01	2,342,062	570	342	1.16
Chesterville	1,205	431	16,969.59	1,379,670	344	334	1.23
● Clifford	537	209	11,276.47	782,605	187	349	1.44

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

* Excluding summer population

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Less than 2,000 population

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
4,790.13	234,872	44	445	2.04	4,044.64	152,228	4	116	3,171	2.66
7,868.44	243,759	40	508	3.23	6,443.11	244,497	8	233	2,547	2.64
5,911.63	258,447	64	337	2.29	2,075.07	89,379	7	61	1,064	2.32
1,317.12	53,565	17	263	2.46						
2,683.06	113,818	12			1,446.58	35,873	2	41		
7,193.25	361,565	37			5,257.47	301,620	15	216		
2,471.74	197,170	13			970.40	47,600	2	48		
7,376.47	399,646	47	709	1.85	7,496.65	308,506	12	258	2,142	2.43
1,712.38	110,323	8	1,149	1.55	9,882.50	594,158	5	255	9,903	1.66
10,541.73	450,983	76	495	2.34	1,024.52	47,419	4	56	988	2.16
9,076.21	320,424	59	453	2.83	888.38	61,060	3	22	1,696	1.45
3,079.34	126,060	24	438	2.44	627.89	9,360	2	25	390	6.71
1,292.10	69,030	6	959	1.87	69,299.99	9,018,328	2	1,528	375,764	0.77
15,045.27	644,810	69	779	2.33	176.01	1,000	1	10	83	17.60
9,760.09	564,860	81	581	1.73	19,304.89	1,305,053	10	650	10,875	1.48
4,799.57	193,250	47	343	2.48	5,354.12	283,360	9	128	2,624	1.89
13,196.82	642,730	52			3,545.04	197,874	5	86		
5,661.13	315,650	49	537	1.79	3,108.90	66,315	8	142	691	4.69
6,728.94	340,123	71	399	1.98	12,059.89	779,730	7	256	9,283	1.55
11,924.53	522,777	115	379	2.28	3,797.04	171,579	6	113	2,383	2.21
6,477.30	317,180	22			5,453.90	233,722	17	195		
6,793.92	401,248	67	499	1.69	5,210.62	114,470	10	225	954	4.55
486.97	19,933	9	185	2.44	8,937.79	506,950	2	266	21,123	1.76
2,547.11	140,090	15	778	1.82	588.94	27,221	1	26	2,268	2.16
9,526.98	483,451	41	983	1.97	2,614.97	164,500	3	80	4,569	1.59
3,800.07	199,590	49	339	1.90	4,777.75	127,695	8	154	1,330	3.74
7,935.81	385,173	78	412	2.06	6,705.25	318,599	9	172	2,950	2.10
7,468.24	422,025	61	577	1.77	3,952.38	164,586	7	137	1,959	2.40
2,036.26	90,957	19	399	2.24	1,495.88	19,606	3	69	545	7.63
10,045.73	409,830	61	560	2.45	3,442.03	108,510	5	104	1,809	3.17
1,578.71	51,190	16	267	3.08	20,231.48	908,981	3	397	25,249	2.23
930.38	41,840	10	349	2.22	450.20	40,900	1	8	3,408	1.10
7,220.15	360,075	71	423	2.01	6,442.70	288,549	11	215	2,186	2.23
4,626.88	186,584	14			10,541.48	529,180	7	327		
7,413.83	432,504	31			4,506.39	145,510	8	170		
3,487.17	189,694	10	1,581	1.84	4,610.22	295,160	2	112	12,298	1.56
3,559.79	205,800	20	858	1.73	1,009.79	39,000	1	33	3,250	2.59
12,389.24	663,745	102	542	1.87	11,794.27	743,552	26	434	2,353	1.59
9,093.55	492,410	78	526	1.85	24,802.65	2,494,642	9	657	23,099	0.99
3,206.45	174,551	15	970	1.84	2,205.16	136,670	7	54	1,627	1.61

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
● Cobden	877	374	12,891.78	1,342,707	343	326	0.96
Colborne	1,223	521	23,149.12	1,971,186	423	388	1.17
Coldwater	704	255	10,803.06	875,890	206	354	1.23
Comber	585	237	6,245.33	362,434	170	178	1.72
Cookstown	664	254	10,086.37	741,550	214	289	1.36
Cottam	645	238	7,960.87	489,230	196	208	1.63
● Courtright	580	197	5,078.04	376,111	184	.....	.....
Creemore	854	350	14,266.00	1,198,234	294	340	1.19
● Dashwood	391	174	9,329.75	565,370	164	.....	.....
Delaware	407	131	8,343.05	581,299	112	433	1.44
● Deseronto	1,678	620	24,609.04	2,049,630	582	.....	.....
● Dorchester	779	295	11,785.19	901,475	285	.....	.....
Drayton	568	260	11,395.32	676,439	211	267	1.68
Drumbo	365	162	6,870.04	537,040	126	355	1.28
Dublin	250	114	4,657.96	353,437	83	355	1.32
• Dundalk	821	402	14,011.95	959,950	305	262	1.46
Dutton	801	342	8,613.73	538,920	263	171	1.60
Eganville	1,565	532	21,104.51	1,217,898	431	235	1.73
† Elk Lake Townsite	\$450	165	5,894.75	388,659	116	279	1.51
● Elmvale	908	374	16,012.03	1,333,630	331	.....	.....
● Elmwood	\$406	129	3,685.64	265,893	117	.....	.....
Elora	1,515	527	28,219.11	1,832,698	448	341	1.54
Embro	508	218	11,331.57	915,900	174	439	1.24
† Englehart	1,626	569	35,227.21	2,024,683	469	360	1.74
Erieau	465	313	11,432.61	785,170	281	233	1.46
Erie Beach	*97	135	4,345.41	122,480	129	79	3.55
● Erin	941	374	18,115.92	1,184,180	342	.....	.....
● Finch	400	171	6,242.28	518,438	158	.....	.....
Flesherton	477	234	7,203.58	622,840	178	292	1.16
Fonthill	1,968	674	40,200.99	3,222,433	597	450	1.25
Frankford	1,522	542	21,593.40	1,686,962	457	308	1.28
Glencoe	1,064	449	10,002.31	653,275	343	159	1.53
• † Gogama	\$500	108	5,405.06	131,946	91	121	4.10
Grand Bend	*937	785	31,334.12	1,421,830	687	172	2.20
Grand Valley	667	319	11,955.92	839,900	256	273	1.42
Granton	287	116	4,909.87	299,907	93	269	1.64
● Harriston	1,611	638	31,391.12	2,421,406	571	353	1.30
● Harrow	1,816	660	38,746.11	2,853,600	583	.....	.....
Hastings	854	420	12,814.65	873,796	346	210	1.47
Havelock	1,288	438	18,200.86	1,046,263	361	242	1.74

† Local system

• New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

§ Estimated

* Excluding summer population

**Utilities and Local Systems
AND CONSUMPTION
December 31, 1957**

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Average cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
3,470.44	225,026	24	781	1.54	3,554.07	171,799	7	178	2,045	2.07
12,571.22	580,536	90	538	2.17	2,966.28	193,934	8	84	2,020	1.53
5,202.51	301,060	45	558	1.73	4,321.05	139,230	4	158	2,901	3.10
5,992.98	286,539	59	405	2.09	6,362.24	206,858	8	218	2,155	3.08
4,035.21	151,280	36	350	2.67	2,301.30	158,540	4	84	3,303	1.45
3,650.73	165,285	36	383	2.21	3,457.87	72,902	6	140	1,013	4.74
1,667.98	96,983	11	.....	.....	513.84	42,961	2	13	.....	.....
5,097.04	251,020	52	402	2.03	1,779.40	78,760	4	82	1,641	2.26
2,245.78	88,180	7	.....	.....	1,460.76	34,050	3	68	.....	.....
2,725.95	100,475	19	441	2.71	.....	.....	.....	.....	.....	.....
6,065.11	343,591	24	.....	.....	12,297.19	923,320	14	449	.....	.....
1,621.76	76,200	7	.....	.....	2,399.17	118,700	3	82	.....	.....
4,408.73	177,410	45	329	2.49	2,235.55	73,582	4	66	1,533	3.04
2,713.75	119,841	33	303	2.26	1,504.72	38,480	3	61	1,069	3.91
3,292.85	178,180	29	512	1.85	3,211.39	128,500	2	69	5,354	2.50
9,227.34	365,680	85	359	2.52	5,458.08	254,919	12	217	1,770	2.14
5,961.06	317,453	67	395	1.88	6,150.39	435,860	12	201	3,027	1.41
15,694.02	648,819	89	608	2.42	5,572.30	361,787	12	146	2,512	1.54
4,490.94	232,980	44	445	1.93	6,476.57	256,548	5	264	4,276	2.52
8,247.34	457,371	34	.....	.....	2,468.79	135,766	9	75	.....	.....
1,361.73	65,800	10	.....	.....	3,016.52	102,000	2	85	.....	.....
9,471.01	407,785	73	466	2.32	6,570.43	426,920	6	190	5,929	1.54
3,005.44	186,740	39	399	1.61	4,341.52	157,990	5	110	2,633	2.75
17,402.46	651,684	93	584	2.67	8,306.24	617,220	7	184	7,348	1.35
6,511.50	354,825	26	1,137	1.84	8,484.76	341,580	6	194	4,744	2.48
318.58	6,225	6	86	5.12	.....	.....	.....	.....	.....	.....
6,515.58	307,872	28	.....	.....	1,649.88	70,254	4	44	.....	.....
2,031.22	81,891	8	.....	.....	1,366.68	67,900	5	38	.....	.....
5,492.13	309,993	54	478	1.77	1,675.03	93,920	2	59	3,913	1.78
10,034.10	521,826	69	630	1.92	4,327.03	150,130	8	140	1,564	2.88
7,732.52	427,280	80	445	1.81	1,415.23	102,820	5	52	1,714	1.38
15,015.69	826,201	91	757	1.82	7,308.05	225,058	15	295	1,250	3.25
2,674.18	91,890	15	511	2.91	4,052.36	222,669	2	51	9,278	1.82
17,331.18	597,728	98	508	2.90	.....	.....	.....	.....	.....	.....
5,008.09	227,070	53	357	2.21	4,629.92	240,240	10	153	2,002	1.93
1,830.83	62,290	22	236	2.94	163.07	1,150	1	6	96	14.18
10,506.26	570,873	50	951	1.84	18,523.27	1,493,083	17	543	7,319	1.24
20,942.29	1,098,077	69	.....	.....	13,728.09	475,240	8	469	.....	.....
7,547.32	335,452	68	411	2.25	3,435.82	150,950	6	109	2,097	2.28
9,631.71	422,830	75	470	2.28	2,177.80	98,190	2	55	4,091	2.22

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Ave- rage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Hensall.....	833	344	14,957.41	1,253,370	262	399	1.19
†Hepworth.....	363	125	4,380.43	243,070	98	207	1.80
Highgate.....	367	156	3,734.94	248,110	120	172	1.51
Holstein.....	168	91	2,710.64	202,500	73	231	1.34
†Hornepayne.....	\$1,400	477	29,402.89	841,429	435	161	3.49
†Hudson Townsite.....	391	179	6,997.63	316,577	145	182	2.21
†Ignace.....	660	177	10,258.97	308,851	145	178	3.32
Iroquois.....	1,170	360	24,273.27	1,892,051	294	536	1.28
Jarvis.....	707	255	6,508.64	485,136	200	202	1.34
†Jellicoe Townsite.....	140	48	1,815.82	80,266	38	176	2.26
†Kearns Townsite.....	510	170	9,076.03	662,682	156	354	1.37
Kemptville.....	1,748	698	29,436.22	2,558,957	581	367	1.15
†King Kirkland Townsite.....	320	93	3,883.66	233,601	85	229	1.66
Kirkfield.....	211	97	3,641.80	188,450	75	209	1.93
Lakefield.....	1,970	680	28,513.62	2,776,145	567	408	1.03
Lambeth.....	1,579	521	35,088.58	2,576,878	481	446	1.36
Lanark.....	915	314	8,984.49	670,305	263	212	1.34
Lancaster.....	622	202	5,993.13	515,764	162	265	1.16
Larder Lake Twp.....	1,989	561	29,192.42	2,130,860	498	357	1.37
Latchford.....	502	156	5,299.55	169,717	125	113	3.12
●L'Orignal.....	1,050	316	14,983.04	637,057	296	.....	.....
Lucan.....	910	344	18,806.91	1,397,009	269	433	1.35
Lucknow.....	920	453	13,748.86	1,156,360	345	279	1.19
Lynden.....	533	160	9,307.76	745,975	141	441	1.25
Madoc.....	1,440	568	23,569.63	1,732,990	437	330	1.36
Magnetawan.....	253	100	3,788.11	128,940	76	141	2.94
Markdale.....	915	407	13,738.90	1,226,955	312	328	1.12
Marmora.....	1,374	489	21,212.51	1,581,750	412	320	1.34
Martintown.....	440	120	4,979.89	296,000	95	260	1.68
Massey.....	1,200	324	21,358.75	820,040	270	253	2.60
†Matachewan Twp.....	794	204	10,400.18	729,373	161	378	1.43
†Matheson.....	810	295	16,429.96	1,329,701	229	484	1.24
Maxville.....	843	300	10,539.32	837,630	243	287	1.26
Merlin.....	520	241	6,467.07	453,690	177	214	1.43
Merrickville.....	890	344	13,671.41	914,090	286	266	1.50
Mildmay.....	815	306	11,088.39	1,001,255	235	355	1.11
Millbrook.....	766	313	14,420.38	1,025,398	249	343	1.41
Milverton.....	1,082	445	21,204.74	1,436,484	340	352	1.48
Moorefield.....	309	131	3,771.99	335,350	93	300	1.12
●Mount Brydges.....	832	333	10,531.23	678,070	317	.....	.....

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

\$ Estimated

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
8,652.52	456,180	61	623	1.90	14,274.43	645,660	21	497	2,562	2.21
3,424.29	121,055	27	374	2.83	.....	.....	.....	.....	.....	.....
2,131.57	99,220	30	276	2.15	4,596.36	177,160	6	139	2,461	2.59
822.48	37,770	17	185	2.18	726.65	57,000	1	13	4,750	1.27
17,308.41	514,650	41	1,046	3.36	11,584.75	988,400	1	162	82,367	1.17
4,817.62	175,057	31	471	2.75	3,008.29	72,230	3	74	2,006	4.16
13,441.76	390,307	30	1,084	3.44	3,890.27	193,500	2	73	8,063	2.01
10,826.96	649,197	52	1,040	1.67	4,418.24	383,274	14	123	2,281	1.15
4,694.72	270,496	48	470	1.74	5,018.22	395,650	7	150	4,710	1.27
2,040.77	89,741	9	831	2.27	1,258.97	50,600	1	25	4,217	2.49
3,588.92	158,033	13	1,013	2.27	620.56	18,630	1	15	1,553	3.33
15,198.37	828,041	103	670	1.84	24,640.48	1,759,460	14	738	10,473	1.40
1,640.91	69,645	8	725	2.36	.....	.....	.....	.....	.....	.....
1,886.46	43,521	22	165	4.33	.....	.....	.....	.....	.....	.....
15,378.73	925,674	100	771	1.66	7,455.99	317,495	13	360	2,035	2.35
6,053.30	253,455	38	556	2.39	1,302.60	41,870	2	25	1,745	3.11
3,491.81	212,110	50	354	1.65	2,034.94	180,540	1	49	15,045	1.13
5,154.45	335,962	40	700	1.53	.....	.....	.....	.....	.....	.....
8,873.22	472,133	60	656	1.88	1,591.86	153,470	3	30	4,263	1.04
5,316.99	168,006	29	483	3.16	1,643.57	41,830	2	45	1,743	3.93
5,622.47	230,518	17	.....	.....	1,568.28	49,764	3	63	.....	.....
9,324.24	437,350	70	521	2.13	2,668.21	142,795	5	82	2,380	1.87
8,598.15	460,414	96	400	1.87	6,291.90	278,500	12	200	1,934	2.26
2,101.46	93,320	17	457	2.25	1,864.92	34,200	2	92	1,425	5.45
16,643.65	914,136	122	624	1.82	5,630.81	217,788	9	162	2,017	2.59
3,045.32	96,100	24	334	3.17	.....	.....	.....	.....	.....	.....
10,843.99	633,885	87	607	1.71	3,113.87	167,550	8	115	1,745	1.86
14,473.43	745,560	74	840	1.94	2,033.26	115,920	3	59	3,220	1.75
2,993.96	115,655	24	402	2.59	771.07	13,500	1	33	1,125	5.71
9,235.58	295,300	49	502	3.13	1,559.05	67,092	5	28	1,118	2.32
5,133.60	212,975	42	423	2.41	40.46	1,017	1	10	85	3.98
11,559.84	623,415	58	896	1.85	2,939.46	204,405	8	73	2,129	1.44
6,886.51	319,970	54	494	2.15	4,353.21	92,000	3	122	2,556	4.73
6,985.68	387,083	60	538	1.80	2,570.80	77,857	4	79	1,622	3.30
4,815.96	228,599	52	366	2.11	3,923.13	412,540	6	146	5,730	0.95
5,848.85	322,838	63	427	1.81	2,354.77	178,547	8	71	1,860	1.32
8,162.45	262,606	63	347	3.11	540.66	36,620	1	10	3,052	1.48
13,599.23	549,182	89	514	2.48	12,691.77	616,664	16	453	3,212	2.06
2,984.94	187,931	36	435	1.59	1,408.13	77,070	2	49	3,211	1.83
2,758.51	124,820	13	.....	.....	3,217.47	106,512	3	126	.....	.....

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Average cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
● Neustadt.....	479	200	5,562.62	454,930	181	.....	.....
Newboro.....	305	130	4,407.65	194,495	119	136	2.27
Newburgh.....	577	180	8,193.40	483,395	153	263	1.69
Newbury.....	318	127	4,221.19	244,900	105	194	1.72
Newcastle.....	1,015	434	16,792.37	1,487,621	357	347	1.13
Norwich.....	1,650	662	33,942.54	2,612,795	540	403	1.30
Norwood.....	1,000	394	16,517.15	1,307,950	314	347	1.26
Oil Springs.....	480	221	5,101.46	342,361	149	191	1.49
Omamee.....	850	292	12,011.07	933,720	248	314	1.29
Orono.....	751	338	15,773.06	1,083,790	292	309	1.46
Otterville.....	698	276	11,553.32	953,260	222	358	1.21
Paisley.....	757	328	11,905.36	878,791	251	292	1.35
Palmerston.....	1,545	609	26,904.73	2,557,816	495	431	1.05
● Parkhill.....	1,036	488	20,471.06	1,479,218	438	.....	.....
† Pickle Lake Landing Townsite.....	\$120	67	3,587.51	178,116	44	337	2.01
Plattsville.....	472	190	9,308.12	679,190	159	356	1.37
Port Burwell.....	711	429	14,310.77	429,105	368	97	3.34
† Port Carling.....	*467	463	21,177.09	1,043,455	396	220	2.93
Port Elgin.....	1,689	1,000	41,839.78	2,770,807	825	280	1.51
Port McNicoll.....	932	431	13,612.45	985,475	400	205	1.38
Port Rowan.....	782	331	7,732.21	420,970	247	142	1.84
Port Stanley.....	1,385	1,150	40,679.07	3,040,263	1,024	247	1.34
† Powassan.....	943	312	15,623.69	1,191,487	250	397	1.31
Priceville.....	164	64	2,370.63	90,367	56	134	2.62
Princeton.....	387	165	7,010.33	581,924	129	376	1.20
Queenston.....	425	158	10,238.95	937,154	140	558	1.09
Red Rock.....	1,810	321	21,706.45	2,111,921	293	601	1.03
Richmond.....	813	264	13,932.62	997,620	238	349	1.40
● Ripley.....	458	216	9,281.82	657,350	193	.....	.....
Rockwood.....	836	284	15,972.65	1,111,030	242	383	1.44
Rodney.....	1,017	445	10,905.53	855,650	355	201	1.27
Rosseau.....	217	121	3,596.64	162,097	106	127	2.22
● Russell.....	425	197	8,109.50	641,810	181	.....	.....
St. Clair Beach.....	1,020	354	27,598.93	1,641,817	327	418	1.68
St. George.....	686	262	8,521.98	759,022	208	304	1.12
St. Jacobs.....	725	227	11,107.31	911,688	179	424	1.22
Shelburne.....	1,264	545	23,369.99	1,663,750	433	320	1.40
Smithville.....	821	379	11,515.79	798,833	282	236	1.44
Southampton.....	1,717	1,060	33,154.58	2,413,670	920	219	1.37
Springfield.....	519	175	6,864.90	530,470	144	307	1.29

† Local system

● New municipal resale rate structure with small commercial customers transferred to domestic billing

§ Estimated

* Excluding summer population

Utilities and Local Systems AND CONSUMPTION

December 31, 1957

Less than 2,000 population—Continued

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
2,374.32	129,875	16			4,532.83	243,680	3	163		
1,633.34	54,586	11	414	2.99						
3,481.83	134,050	24	465	2.60	3,166.04	139,650	3	96	3,879	2.27
1,334.27	64,230	21	255	2.08	228.95	3,880	1	13	323	5.90
10,689.39	663,719	66	838	1.61	10,541.78	801,211	11	296	6,070	1.32
15,343.93	713,455	110	540	2.15	5,191.49	258,975	12	208	1,798	2.00
8,779.54	373,075	76	409	2.35	4,748.52	173,975	4	156	3,624	2.73
2,624.76	102,136	41	208	2.57	6,663.94	641,031	31	134	1,723	1.04
4,483.32	178,284	38	391	2.51	3,873.64	256,423	6	87	3,561	1.51
5,235.05	242,440	43	470	2.16	1,472.61	54,751	3	48	1,521	2.69
4,504.93	213,380	46	387	2.11	2,157.86	81,510	8	83	849	2.65
6,720.46	318,860	69	385	2.11	3,534.32	213,731	8	91	2,226	1.65
11,753.61	711,097	96	617	1.65	12,853.27	1,065,056	18	513	4,931	1.21
12,713.64	619,507	38			7,287.39	353,765	12	224		
2,050.68	68,299	22	259	3.00	361.41	2,158	1	24	180	16.75
2,742.48	125,036	29	359	2.19	13,219.14	975,614	2	319	40,651	1.35
9,166.87	270,301	58	388	3.39	747.49	4,630	3	42	129	16.14
13,623.88	469,073	62	630	2.90	1,229.09	78,872	5	43	1,315	1.56
20,578.70	931,506	161	482	2.21	11,934.16	622,146	14	325	3,703	1.92
2,495.26	139,020	29	399	1.79	32,952.46	1,538,210	2	975	64,092	2.14
7,690.53	372,092	79	393	2.07	974.27	25,395	5	30	423	3.84
12,634.14	738,653	109	565	1.71	11,950.83	476,158	17	496	2,334	2.51
11,379.66	514,731	57	753	2.21	891.57	20,060	5	28	334	4.44
959.17	34,189	8	356	2.81						
2,378.97	105,125	33	265	2.26	1,748.11	73,300	3	62	2,036	2.38
5,371.38	315,759	18	1,462	1.70						
12,173.50	793,970	26	2,545	1.53	1,057.55	158,760	2	27	6,615	0.67
2,758.10	111,222	24	386	2.48	3,468.63	223,200	2	63	9,300	1.55
4,182.00	173,503	20			2,236.39	147,075	3	59		
4,883.82	210,570	39	450	2.32	1,719.38	66,380	3	44	1,844	2.59
6,910.36	404,322	79	427	1.71	6,960.21	249,739	11	241	1,892	2.79
1,894.89	80,461	15	447	2.36						
2,662.78	130,550	13			730.03	36,960	3	35		
6,149.13	236,395	22	895	2.60	2,062.56	69,410	5	45	1,157	2.97
5,427.92	366,599	48	636	1.48	5,563.69	371,239	6	186	5,156	1.50
5,931.62	282,061	40	588	2.10	5,733.52	243,520	8	228	2,537	2.35
13,904.42	721,560	100	601	1.93	5,812.23	348,430	12	212	2,420	1.67
8,599.60	386,242	82	393	2.23	12,750.80	577,928	15	418	3,211	2.21
15,195.66	738,650	124	496	2.06	16,210.10	929,370	16	478	4,840	1.74
2,295.11	124,260	28	370	1.85	2,290.52	65,550	3	91	1,821	3.49

**Municipal Electrical
CUSTOMERS, REVENUE,
for the Year Ended
MUNICIPALITIES**

MUNICIPALITY	Popula- tion	Total customers	DOMESTIC SERVICE				
			Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh
	No.	No.	\$	kwh	No.	kwh	¢
Stayner	1,473	584	26,092.36	1,979,290	469	352	1.32
Stirling	1,303	505	24,487.15	1,923,054	402	399	1.27
Sunderland	557	248	9,672.24	726,990	200	303	1.33
Sundridge	716	287	11,822.74	641,188	223	240	1.84
Sutton	1,308	854	28,018.16	2,160,579	696	259	1.30
Tara	493	229	8,538.56	617,850	176	293	1.38
Tavistock	1,160	487	25,226.99	2,035,620	375	452	1.24
● Teeswater	883	345	12,455.40	1,003,360	310	.....	.....
● Terrace Bay	1,809	398	32,559.80	3,993,716	374	.....	.....
Thamesford	755	296	18,674.55	1,216,927	243	417	1.53
● Thamesville	1,040	435	13,800.68	764,810	390	.....	.....
Thedford	668	286	10,464.29	754,581	222	283	1.39
• Thessalon	1,712	479	24,446.34	1,253,627	391	267	1.95
Thornbury	1,065	500	19,176.39	1,168,860	396	246	1.64
● Thorndale	347	135	8,171.52	522,370	127	343	1.56
† Thornloe	173	39	1,960.14	118,187	27	365	1.66
Thornton	296	104	4,467.12	305,000	91	279	1.46
Tottenham	737	270	11,754.72	960,570	210	381	1.22
● Tweed	1,645	598	22,024.92	2,162,037	540	.....	.....
Vankleek Hill	1,654	518	21,503.87	1,099,223	445	206	1.96
Victoria Harbour	881	451	14,377.26	750,120	412	152	1.92
Wardsville	297	134	4,180.23	304,340	103	246	1.37
Warkworth	515	240	8,243.78	560,868	185	253	1.47
● Wasaga Beach	*507	974	24,858.30	910,623	796	95	2.73
Waterdown	1,787	575	36,295.36	2,966,452	486	509	1.22
● Waterford	1,968	789	29,936.89	2,277,630	757	.....	.....
Watford	1,159	499	21,749.77	1,672,310	398	350	1.30
Waubashene	§1,200	419	12,064.93	650,620	385	141	1.85
Webbwood	525	134	7,540.91	230,290	111	173	3.27
Wellesley	662	271	12,266.46	874,715	214	341	1.40
● Wellington	1,019	523	14,867.48	1,372,928	489	.....	.....
West Lorne	1,078	420	14,737.53	979,258	325	251	1.50
Westport	654	278	9,415.18	741,630	217	285	1.27
Wheatley	1,232	462	16,455.71	1,058,790	362	244	1.55
● Warton	1,953	746	26,699.02	2,474,070	667	.....	.....
Williamsburg	340	145	4,091.18	465,890	107	363	0.88
Winchester	1,314	525	21,024.40	1,665,669	422	329	1.26
Windermere	*126	116	4,793.26	208,004	100	173	2.30
Woodville	431	181	7,339.43	454,320	145	261	1.62
Wyoming	822	305	8,466.03	520,270	246	176	1.63
Zurich	632	283	11,957.89	793,880	223	297	1.51

† Local system

• New municipal resale rate structure

● and with small commercial customers transferred to domestic billing

§ Estimated

* Excluding summer population

Utilities and Local Systems

AND CONSUMPTION

December 31, 1957

Less than 2,000 population—Concluded

COMMERCIAL SERVICE					POWER SERVICE					
Revenue	Consumption	Cus- tomers	Monthly consumption per customer	Av- erage cost per kwh	Revenue	Consumption	Cus- tomers	Average of cus- tomers' monthly loads billed	Monthly consumption per customer	Av- erage cost per kwh
\$	kwh	No.	kwh	¢	\$	kwh	No.	kw	kwh	¢
12,955.60	636,270	99	536	2.04	5,350.84	279,511	16	194	1,456	1.91
10,930.82	554,965	87	532	1.97	5,355.45	320,481	16	234	1,669	1.67
4,912.29	206,790	45	383	2.38	3,810.18	134,841	3	122	3,746	2.83
8,779.61	308,370	61	421	2.85	1,530.18	49,230	3	43	1,368	3.11
19,193.78	1,046,288	146	597	1.83	4,834.16	275,951	12	154	1,916	1.75
4,045.89	183,520	47	325	2.20	1,356.74	77,695	6	39	1,079	1.75
10,307.25	494,110	104	396	2.09	10,914.38	559,375	8	331	5,827	1.96
6,013.13	313,987	27	.....	.....	9,428.34	603,373	8	249	.....	.....
16,954.79	1,216,670	22	.....	.....	8,090.99	714,000	2	194	.....	.....
6,749.84	277,335	47	492	2.43	5,002.58	232,831	6	125	3,234	2.15
12,026.15	562,772	28	.....	.....	18,930.99	663,180	17	465	.....	.....
6,164.85	265,384	59	375	2.32	3,238.40	317,711	5	72	5,295	1.02
18,264.46	764,626	81	787	2.39	3,090.92	287,196	7	69	3,419	1.08
9,868.63	405,720	88	384	2.43	9,364.15	630,250	16	366	3,283	1.49
1,124.34	40,855	5	681	2.75	2,304.34	75,134	3	64	2,087	3.07
1,306.38	49,918	12	347	2.62	.....	.....	.....	.....	.....	.....
783.93	27,332	12	190	2.87	279.89	10,375	1	7	865	2.70
4,459.09	219,123	53	345	2.03	2,430.69	159,670	7	67	1,901	1.52
10,639.94	672,026	44	.....	.....	8,543.52	614,167	14	291	.....	.....
10,503.26	352,730	66	445	2.98	2,878.75	63,146	7	116	752	4.56
3,202.73	143,295	38	314	2.24	371.06	41,200	1	6	3,433	0.90
3,293.52	161,440	31	434	2.04	.....	.....	.....	.....	.....	.....
4,401.54	167,415	55	254	2.63	.....	.....	.....	.....	.....	.....
22,214.26	903,679	176	428	2.46	883.15	33,100	2	23	1,379	2.67
9,903.69	505,960	72	586	1.96	4,052.93	258,594	17	153	1,268	1.57
6,954.61	370,046	22	.....	.....	8,355.66	383,370	10	317	.....	.....
12,844.11	643,867	90	596	1.99	16,819.91	1,039,617	11	536	7,876	1.62
3,108.48	147,030	31	395	2.11	2,651.54	79,040	3	61	2,196	3.35
4,244.81	129,963	21	516	3.27	882.09	42,940	2	22	1,789	2.05
5,070.21	253,260	50	422	2.00	2,495.64	113,935	7	79	1,356	2.19
5,509.87	325,528	14	.....	.....	7,349.43	321,489	20	287	.....	.....
12,723.67	583,458	82	593	2.18	26,952.27	1,495,355	13	644	9,586	1.80
7,488.45	395,830	61	541	1.89	.....	.....	.....	.....	.....	.....
16,743.09	786,470	85	771	2.13	12,483.42	606,350	15	386	3,369	2.06
16,892.80	1,050,906	62	.....	.....	10,542.73	724,436	17	280	.....	.....
3,518.70	239,852	37	540	1.47	256.76	14,360	1	6	1,197	1.79
13,398.80	839,841	94	745	1.60	15,557.26	1,364,152	9	408	12,631	1.14
3,657.09	131,889	16	687	2.77	.....	.....	.....	.....	.....	.....
2,999.54	102,131	34	250	2.94	1,404.43	41,900	2	41	1,746	3.35
5,732.78	306,296	52	491	1.87	9,423.95	297,510	7	261	3,542	3.18
6,749.88	271,306	57	397	2.49	1,203.39	44,100	3	32	1,225	2.73

APPENDIX I—OPERATIONS

THE tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to information relating to the delivery of power and energy in wholesale quantities given in Section III.

The tables of power demands and resources give for each system and in total the primary peak requirements for the month of December, and the dependable capacity of the Commission's resources at the time these peak requirements occur. A separate table on pages 206 and 207 gives the dependable capacity and the actual maximum output of each Commission-owned station and each source of purchased power. The dependable capacity of a station is the net output which it can be expected to supply at the time of the system primary peak requirements, assuming that all units are available and that the supply of water is normal. This capacity may be recalculated from time to time in accordance with changing conditions. The capacity of a source of purchased power is based on the terms of the purchase contract.

Beginning on page 212 there is a table dealing primarily with the power and energy supplied in wholesale quantities to the municipal electrical utilities and local systems. It also records the date when power was first delivered by the Commission to each as a separate municipal system. The peak loads shown are those for December, the month when municipal maximum requirements usually occur, and not the average of the monthly peak loads used in the Cost of Power Statement.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. The kilowatt figures may be converted to horsepower by assuming that one horsepower is equivalent to 0.746 kilowatts.

THE COMMISSION'S POWER RESOURCES—1957

		Depend- able capacity*	Maximum output*	Annual energy output
Southern Ontario System		kw	kw	kwh
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Niagara	‡Sir Adam Beck-Niagara No. 1	441,000	430,000	3,612,403,200
	Sir Adam Beck-Niagara No. 2	1,071,000	1,140,000	7,835,519,200
	Pumping-Generating Station	87,000	83,000	21,223,400
	†Ontario Power	135,000	137,000	1,116,099,000
Welland Canal	†Toronto Power	108,000	105,000	787,811,100
	DeCew Falls No. 1	36,000	38,900	195,811,100
	DeCew Falls No. 2	120,000	124,500	888,643,200
Muskoka	Ragged Rapids	7,500	7,800	45,686,950
	Big Eddy	7,100	7,050	40,741,635
	Bala No. 1 and 2	350	0	228,320
South Muskoka	South Falls	4,200	4,300	28,964,780
	Trethewey Falls	1,600	1,600	10,099,200
	Hanna Chute	1,200	1,300	9,742,200
Beaver	Eugenia	5,400	5,440	17,005,000
Severn	Big Chute	4,300	4,380	31,401,200
Saugeen	Walkerton	350	0	0
	Hanover	250	230	1,556,304
Magnetawan	Burks Falls	250	125	557,800
Trent	Heely Falls	11,150	12,150	81,360,220
	Ranney Falls	8,350	8,655	57,615,440
	Meyersburg	5,100	6,050	40,670,720
	Sidney	3,350	3,875	23,124,900
	Hagues Reach	3,250	3,700	25,122,230
	Seymour	2,950	3,175	21,525,120
	Frankford	2,550	3,125	17,904,000
	Sills Island	1,550	855	5,472,960
	Auburn	1,750	1,875	12,328,440
	Lakefield	1,650	1,675	9,952,300
Otonabee	Fenelon Falls	700	400	3,120,760
	Des Joachims	372,000	375,000	2,460,798,000
	Otto Holden	210,000	223,500	1,238,945,200
Ottawa	Chenau	117,000	116,000	797,362,400
	‡Chats Falls (Ontario half)	82,000	85,000	556,638,650
	Stewartville	63,000	64,500	222,679,500
Madawaska	Barrett Chute	42,000	42,000	206,331,400
	Calabogie	4,400	4,260	28,025,220
Mississippi	High Falls	2,450	2,825	13,198,080
	Galetta	800	745	4,512,720
Rideau	Merrickville	900	720	2,340,390
Total hydro-electric		2,967,400	.....	20,430,075,439
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>			
Windsor	J. Clark Keith (steam)	244,000	266,000	459,175,200
Hamilton	†Steel Company of Canada (steam) . . . . .	.....	0	12,880,800
Toronto	Richard L. Hearn (steam)	372,000	390,000	987,921,900
Total thermal-electric		616,000	.....	1,459,977,900
Total Southern Ontario System		3,583,400	.....	21,890,053,339

*Power capacity and output are quoted with reference to a 20-minute peak period in December, the first at the time of the system peak. Since the various maximum outputs do not coincide, their sum is not necessarily the peak load of the system.

Resources are 60-cycle except as indicated:

‡25-cycle

‡25- and 60-cycle

THE COMMISSION'S POWER RESOURCES—1957

		Depend- able capacity*	Maximum output*	Annual energy output
		kw	kw	kwh
Northern Ontario Properties				
NORTHEASTERN DIVISION				
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Abitibi	†Abitibi Canyon	181,000	181,000	1,082,041,000
Mississagi	George W. Rayner	47,000	47,600	300,516,210
Mattagami	†Wawaitin	10,800	11,000	59,770,092
	†Lower Sturgeon	6,000	6,000	45,739,507
	†Sandy Falls	2,700	2,650	18,912,816
Montreal	Upper Notch	8,400	8,300	57,314,000
	Hound Chute	3,600	3,860	27,536,400
	Indian Chute	3,000	3,100	21,351,000
	Fountain Falls	2,000	2,000	16,122,120
Wanapitei	Stinson	5,700	5,700	29,711,400
	Coniston	4,100	5,520	29,207,280
	McVittie	2,200	2,400	16,300,680
Matabitchuan	Matabitchuan	8,800	9,600	63,202,930
Sturgeon	Crystal Falls	8,200	8,000	51,181,000
South	Nipissing	1,600	1,620	11,289,860
	Elliott Chute	1,400	1,400	6,783,800
	Bingham Chute	900	940	5,240,580
Kagawong	Kagawong		710	4,495,370
Total hydro-electric		297,400	.....	1,846,716,045
<i>Location</i>	<i>Thermal-Electric Generating Stations</i>			
Kagawong	Kagawong (diesel portion)	300	0	4,090
Chapleau	Chapleau	500	384	834,600
Hornepayne	Hornepayne	1,000	528	2,497,000
Total thermal-electric		1,800	.....	3,335,690
Total Northeastern Division		299,200	.....	1,850,051,735
NORTHWESTERN DIVISION				
<i>River</i>	<i>Hydro-Electric Generating Stations</i>			
Nipigon	Pine Portage	119,200	125,000	760,840,240
	Cameron Falls	57,600	57,800	447,300,800
	Alexander	49,600	53,000	403,889,400
Aguasabon	Aguasabon	44,000	45,400	272,711,210
Kaministiquia	Kakabeka Falls	25,000	24,100	159,676,900
English	Manitou Falls	54,200	55,500	296,564,360
	Ear Falls	16,400	17,200	118,139,600
Albany	Rat Rapids . . . . .	.....	1,000	13,173,800
Total Northwestern Division		366,000	.....	2,472,296,310
Total generated—All systems		4,248,600	.....	26,212,401,384
Sources of Purchased Power				
SOUTHERN ONTARIO SYSTEM				
	Detroit Edison Company . . . . .	.....	153,000	268,886,000
	Polymer Corporation	22,000	17,000	19,198,100
	†Canadian Niagara Power Company, Limited	15,000	18,000	68,683,200
	†Gatineau Power Company	190,000	263,000	1,607,367,820
	†Quebec Hydro-Electric Commission (Beauharnois)	187,000	292,000	1,388,305,000
	†MacLaren-Quebec Power Company	93,000	112,000	637,115,000
	†Ottawa Valley Power Company	82,000	85,000	560,543,350
	Niagara Mohawk Power Corporation . . . . .	.....	66,000	16,436,000
	Miscellaneous (relatively small suppliers)	2,000	3,100	19,432,110
Total Southern Ontario System		591,000	.....	4,585,966,580
NORTHERN ONTARIO PROPERTIES				
NORTHEASTERN DIVISION				
	†Abitibi Power & Paper Company, Limited . . . . .	.....	16,200	11,445,040
	†Quebec Hydro-Electric Commission . . . . .	.....	43,500	189,493,333
	Miscellaneous (relatively small suppliers)	1,200	2,600	8,751,028
Total Northeastern Division		1,200	.....	209,689,401
NORTHWESTERN DIVISION				
	Ontario-Minnesota Pulp and Paper Company	3,300	14,500	25,542,730
	Manitoba Hydro-Electric Board . . . . .	.....	40,000	67,156,664
Total Northwestern Division		3,300	.....	92,699,394
Total purchased—All systems		595,500	.....	4,888,355,375
Total generated and purchased—All systems		4,844,100	.....	31,100,756,759

POWER DEMANDS

Southern Ontario System

	1956	1957	Increase or decrease
Demands	kw	kw	kw
Primary load carried.....	3,767,480	3,917,464	149,984
Primary load cut.....	.....	.....	.....
Primary peak requirements.....	3,767,480	3,917,464	149,984
Resources			
Commission hydro-electric generation.....	2,625,400	2,967,400	342,000
Commission thermal-electric generation.....	616,000	616,000	.....
Power purchased.....	640,000	591,000	49,000
Dependable peak capacity.....	3,881,400	4,174,400	293,000

Figures in the above table apply to demands and resources

ANNUAL ENERGY

Energy Made Available

	1956	1957	Increase or decrease
	kwh	kwh	per cent
SOUTHERN ONTARIO SYSTEM			
Generated (net)			
hydro-electric.....	20,043,425,264	20,430,075,439	1.9
thermal-electric.....	933,168,700	1,459,977,900	56.5
Total generated.....	20,976,593,964	21,890,053,339	4.4
Purchased.....	4,239,963,320	4,585,966,580	8.2
Transferred * in or out (net)	521,437,000	759,884,000	45.7
Primary.....	20,812,985,684	22,076,428,819	6.1
Secondary.....	3,882,134,600	3,639,707,100	6.2
Total.....	24,695,120,284	25,716,135,919	4.1
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Generated (net)			
hydro-electric.....	1,878,429,667	1,846,716,045	1.7
thermal-electric.....	2,730,102	3,335,690	22.2
Total generated.....	1,881,159,769	1,850,051,735	1.7
Purchased.....	125,355,381	209,689,401	67.3
Transferred * in or out (net)	521,437,000	759,884,000	45.7
Primary.....	2,459,409,770	2,791,545,958	13.5
Secondary.....	68,542,380	28,079,178	59.0
Total.....	2,527,952,150	2,819,625,136	11.5
NORTHWESTERN DIVISION			
Generated (net)			
hydro-electric.....	2,284,541,100	2,472,296,310	8.2
Purchased.....	15,933,332	92,699,394	481.8
Primary.....	2,264,858,942	2,536,961,644	12.0
Secondary.....	35,615,490	28,034,060	21.3
Total.....	2,300,474,432	2,564,995,704	11.5
ALL SYSTEMS			
Generated (net)			
hydro-electric.....	24,206,396,031	24,749,087,794	2.2
thermal-electric.....	935,898,802	1,463,313,590	56.4
Total generated.....	25,142,294,833	26,212,401,384	4.3
Purchased.....	4,381,252,033	4,888,355,375	11.6
Primary.....	25,537,254,396	27,404,936,421	7.3
Secondary.....	3,986,292,470	3,695,820,338	7.3
Total.....	29,523,546,866	31,100,756,759	5.3

*Net interchange between Southern Ontario System and Northeastern Division of the Northern Ontario Properties.

AND RESOURCES

Northern Ontario Properties

NORTHEASTERN DIVISION			NORTHWESTERN DIVISION		
1956	1957	Increase or decrease	1956	1957	Increase or decrease
kw	kw	kw	kw	kw	kw
390,232	459,117	68,885	356,737	406,880	50,143
.....
390,232	459,117	68,885	356,737	406,880	50,143
297,400	297,400	.....	368,100	366,000	2,100
1,300	1,800	500	.....	.....	.....
1,200	1,200	.....	2,700	3,300	600
299,900	300,400	500	370,800	369,300	1,500

at the time of December primary peak requirements.

ACCOUNT

Energy Disposed of in Wholesale Quantities

	1956	1957	Increase or decrease
	kwh	kwh	per cent
SOUTHERN ONTARIO SYSTEM			
Primary—Municipal electrical utilities.....	12,258,469,086	13,070,004,020	6.6
—Local systems.....	15,848,312	4,228,836	73.3
—Rural power district.....	1,813,740,666	1,975,428,718	8.9
—Direct industrial customers.....	4,926,839,072	5,139,088,688	4.3
Total primary.....	19,014,897,136	20,188,750,262	6.2
Secondary—Direct industrial customers.....	3,679,389,600	3,487,443,100	5.2
Total primary and secondary.....	22,694,286,736	23,676,193,362	4.3
Losses and unaccounted for.....	2,000,833,548	2,039,942,557	2.0
Total.....	24,695,120,284	25,716,135,919	4.1
NORTHERN ONTARIO PROPERTIES			
NORTHEASTERN DIVISION			
Primary—Municipal electrical utilities.....	239,788,106	264,936,472	10.5
—Local systems.....	128,079,695	141,081,442	10.2
—Rural power district.....	144,582,865	175,050,243	21.1
—Direct industrial customers.....	1,644,471,522	1,891,463,690	15.0
Total primary.....	2,156,922,188	2,472,531,847	14.6
Secondary—Direct industrial customers.....	61,377,628	22,545,304	63.3
Total primary and secondary.....	2,218,299,816	2,495,077,151	12.5
Losses and unaccounted for.....	309,652,334	324,547,985	4.8
Total.....	2,527,952,150	2,819,625,136	11.5
NORTHWESTERN DIVISION			
Primary—Municipal electrical utilities.....	403,185,220	416,023,634	3.2
—Local systems.....	13,338,671	14,094,324	5.7
—Rural power district.....	42,035,801	52,547,382	25.0
—Direct industrial customers.....	1,602,833,442	1,836,027,167	14.5
Total primary.....	2,061,393,134	2,318,692,507	12.5
Secondary—Direct industrial customers.....	32,113,304	24,195,490	24.7
Total primary and secondary.....	2,093,506,438	2,342,887,997	11.9
Losses and unaccounted for.....	206,967,994	222,107,707	7.3
Total.....	2,300,474,432	2,564,995,704	11.5
ALL SYSTEMS			
Primary—Municipal electrical utilities.....	12,901,442,412	13,750,964,126	6.6
—Local systems.....	157,266,678	159,404,602	1.4
—Rural power district.....	2,000,359,332	2,203,026,343	10.1
—Direct industrial customers.....	8,174,144,036	8,866,579,545	8.5
Total primary.....	23,233,212,458	24,979,974,616	7.5
Secondary—Direct industrial customers.....	3,772,880,532	3,534,183,894	6.3
Total primary and secondary.....	27,006,092,990	28,514,158,510	5.6
Losses and unaccounted for.....	2,517,453,876	2,586,598,249	2.7
Total.....	29,523,546,866	31,100,756,759	5.3

STATEMENT OF

	For resale	
	By utilities listed in Statement A	By other utilities*
	kwh	kwh
By the Commission	13,750,964,126	3,909,376,472
By municipal utility generating facilities	189,834,757	.....
By other purchases by municipal utilities	201,782,479	.....
Total energy available	14,142,581,362	3,909,376,472

ANALYSIS OF

	To ultimate customers served by utilities listed in Statement A	By other utilities
	kwh	kwh
Classes of service:		
Domestic	5,609,857,412	.....
Hamlet . . . . .	.....	.....
Summer . . . . .	.....	.....
Total domestic-type	5,609,857,412	.....
Commercial	2,233,526,198	.....
Power—Primary	5,347,526,776	423,305,272
—Secondary . . . . .	.....	3,486,071,200
Farm . . . . .	.....	.....
Street lighting	206,218,793	.....
Total distributed	13,397,129,179	3,909,376,472†
Distribution losses and unaccounted for	745,452,183	.....
	14,142,581,362	3,909,376,472‡

* Includes utilities in Ontario, in other provinces, and in the United States.

† Total delivered in wholesale quantities (see page 209).

‡ Includes distribution losses. Distribution by classes of customer not available.

ENERGY MADE AVAILABLE

For distribution by the Commission			Total
To customers in local systems	To customers in rural oper- ating areas	To direct industrial customers	
kwh 159,404,602	kwh 2,203,026,343	kwh 8,491,386,967	kwh 28,514,158,510† 189,834,757 201,782,479
159,404,602	2,203,026,343	8,491,386,967	28,905,775,746

DISTRIBUTION OF ENERGY

To ultimate customers served by the Commission			Total
In local systems	In rural operating areas	As direct industrial customers	
kwh 90,879,511	kwh 803,953,114 50,797,923	kwh	kwh 5,700,736,923 803,953,114 50,797,923
90,879,511	854,751,037	.....	6,555,487,960
42,656,274	233,114,413	.....	2,509,296,885
18,718,477	225,748,793	8,443,274,273 48,112,694	14,458,573,591 3,534,183,894
.....	689,975,689	.....	689,975,689
2,429,618	8,057,820	.....	216,706,231
154,683,880	2,011,647,752	8,491,386,967	27,964,224,250
4,720,722	191,378,591	.....	941,551,496
159,404,602	2,203,026,343	8,491,386,967	28,905,775,746

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM		cycles	kw	'000 kwh	per cent
Acton.....	Jan. 1913	60	3,034.2	14,255	2.6
Ailsa Craig.....	Jan. 1916	60	277.7	1,007	2.6
Ajax.....	Jan. 1952	60	4,782.7	22,569	7.1
Alexandria.....	Jan. 1921	60	1,277.6	5,747	11.4
Alfred.....	June 1952	60	292.4	981	18.9
Alliston.....	June 1918	60	1,493.2	7,083	8.4
Almonte.....	Feb. 1945	60	1,636.5	4,615	53.8
Alvinston.....	Apr. 1922	60	259.8	811	8.8
Amherstburg.....	Feb. 1919	60	2,995.8	14,815	9.0
Ancaster Twp.....	Jan. 1914	60	2,048.3	8,071	10.6
Apple Hill.....	Apr. 1921	60	69.9	308	0.1
Arkona.....	Dec. 1926	60	235.8	924	6.5
Arnprior.....	June 1929	60	3,672.8	16,163	3.5
Arthur.....	Dec. 1916	60	638.2	2,503	11.4
Athens.....	Jan. 1929	60	359.8	1,391	9.2
Aurora.....	Dec. 1920	60	2,869.7	15,119	9.5
Aylmer.....	Mar. 1918	60	3,003.0	14,098	7.7
Ayr.....	Jan. 1915	60	630.4	2,161	7.4
Baden.....	May. 1912	60	639.3	2,017	37.0
†Bala.....	Apr. 1929	60	272.3	1,646	2.9
Bancroft.....	Mar. 1950	60	929.0	2,518	71.3
Barrie.....	Apr. 1913	60	13,275.0	64,395	8.7
Barry's Bay.....	Jan. 1950	60	279.8	1,049	16.3
Bath.....	Nov. 1931	60	283.9	1,090	11.8
Beachville.....	Aug. 1912	25 & 60	2,038.6	10,846	33.4
Beamsville.....	Jan. 1930	60	1,399.9	6,235	1.8
Beaverton.....	Nov. 1914	60	947.2	3,813	17.2
Beeton.....	Aug. 1918	60	392.4	1,482	7.9
Belle River.....	Dec. 1922	60	621.3	2,472	5.3
Belleville.....	Mar. 1916	60	16,023.1	77,932	5.6
Blenheim.....	Nov. 1915	60	1,486.0	5,328	8.8
Bloomfield.....	Apr. 1919	60	432.6	1,456	7.3
Blyth.....	July 1924	60	531.0	2,156	4.8
Bobcaygeon.....	July 1946	60	595.0	2,426	9.1
Bolton.....	Feb. 1915	60	766.7	3,097	17.7
Bothwell.....	Sep. 1915	60	384.4	1,250	5.9
Bowmanville.....	Mar. 1916	60	5,643.2	24,432	2.5
Bracebridge.....	June 1955	60	318.7	381	152.0
Bradford.....	Oct. 1918	60	1,368.0	6,081	10.2
Braeside.....	June 1929	60	310.9	1,002	7.7
Brampton.....	Nov. 1911	60	9,573.0	39,356	8.5
Brantford.....	Feb. 1914	60	41,005.6	187,636	3.9
Brantford Twp.....	Oct. 1915	60	3,796.8	18,342	75.3*
Brechin.....	Jan. 1915	60	120.6	453	12.1
Bridgeport.....	Mar. 1928	60	695.3	2,755	6.6

† Local system

* A large number of customers formerly served by rural facilities were transferred to the municipality May 1, 1956.

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Brigden.....	Jan. 1918	60	208.8	749	6.5
Brighton.....	Mar. 1916	60	1,154.9	5,278	6.5
Brockville.....	Apr. 1915	60	13,788.6	62,298	5.6
Bronte.....	Jan. 1930	60	861.2	3,660	12.0
Brussels.....	July 1924	60	533.2	2,061	2.2
Burford.....	June 1915	60	695.4	2,549	7.3
Burgessville.....	Nov. 1916	60	167.0	506	3.0
Burk's Falls.....	Jan. 1950	60	402.7	1,528	11.3
Burlington.....	Jan. 1930	60	7,003.6	28,443	5.8
Caledonia.....	Oct. 1912	60	987.0	3,955	0.7
Campbellville.....	Jan. 1925	60	120.0	526	5.3
Cannington.....	Nov. 1914	60	554.8	2,292	10.6
Cardinal.....	July 1930	60	833.7	3,777	10.1
Carleton Place.....	May 1919	60	2,856.0	13,756	5.0
Casselman.....	Dec. 1952	60	510.2	1,874	23.2
Cayuga.....	Nov. 1924	60	341.6	1,368	5.4
Chalk River.....	Jan. 1957	60	390.0	1,637	.....
Chatham.....	Feb. 1915	60	15,310.2	70,919	3.2
Chatsworth.....	Dec. 1915	60	272.0	930	6.3
Chesley.....	July 1916	60	1,096.0	4,171	4.3
Chesterville.....	Apr. 1914	60	1,029.2	4,555	11.5
Chippawa.....	Sep. 1919	60	942.6	4,133	12.2
Clifford.....	May 1924	60	309.3	1,236	7.2
Clinton.....	Mar. 1914	60	1,945.0	8,498	3.6
Cobden.....	Dec. 1934	60	522.8	1,949	7.5
Cobourg.....	Mar. 1916	60	7,154.9	34,434	6.0
Colborne.....	Mar. 1916	60	763.0	3,178	10.1
Coldwater.....	Mar. 1913	60	389.4	1,493	8.6
Collingwood.....	Mar. 1913	60	5,529.4	23,084	15.3
Comber.....	May 1915	60	267.0	955	1.7
Cookstown.....	May 1918	60	328.3	1,168	12.6
Cottam.....	Feb. 1919	60	228.3	805	8.1
Courtright.....	Dec. 1923	60	158.6	594	9.5
Creemore.....	Nov. 1914	60	460.2	1,716	8.2
Dashwood.....	Sep. 1917	60	210.0	770	8.0
Delaware.....	Mar. 1915	60	231.2	761	5.2
Delhi.....	May 1938	60	2,201.2	8,993	28.2
Deseronto.....	Mar. 1916	60	768.8	3,692	9.1
Dorchester.....	Dec. 1914	60	378.6	1,258	5.2
Drayton.....	Mar. 1918	60	323.0	1,117	6.6
Dresden.....	Apr. 1915	60	1,017.4	4,586	7.2
Drumbo.....	Dec. 1914	60	238.5	706	1.6
Dublin.....	Oct. 1917	60	220.0	742	6.4
Dundalk.....	Dec. 1915	60	459.8	1,781	7.2
Dundas.....	Jan. 1911	60	6,959.6	28,619	9.6

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Dunnville.....	June 1918	60	3,220.4	14,181	4.1
Durham.....	Dec. 1915	60	1,385.6	5,338	4.2
Dutton.....	Sep. 1915	60	411.4	1,362	5.5
East York Twp.....	Dec. 1923	60	35,692.0	166,391	1.9
Eganville.....	Apr. 1952	60	402.0	1,606	35.3
Elmira.....	Nov. 1913	60	2,975.7	13,322	6.1
Elmvale.....	June 1913	60	544.2	2,118	3.2
Elmwood.....	Apr. 1918	60	181.6	509	8.7
Elora.....	Nov. 1914	60	688.8	2,913	2.9
Embro.....	Jan. 1915	25	360.1	1,337	5.6
Erieau.....	July 1924	60	283.2	1,526	7.7
Erie Beach.....	July 1925	60	49.1	155	15.9
Erin.....	Jan. 1945	60	517.4	1,810	13.6
Essex.....	Feb. 1919	60	1,462.5	6,311	3.7
Etobicoke Twp.....	Aug. 1917	60	89,386.1	437,454	16.0
Exeter.....	June 1916	60	1,803.2	7,706	7.2
Fergus.....	Nov. 1914	60	2,930.0	11,822	3.0
Finch.....	Feb. 1928	60	212.4	805	11.5
Flesherton.....	Dec. 1915	60	329.4	1,119	10.7
Fonthill.....	June 1926	60	1,136.2	4,435	8.4
Forest.....	Mar. 1917	60	1,164.2	5,902	5.8
Forest Hill.....	Jan. 1938	60	13,508.0	63,054	5.2
Frankford.....	Oct. 1937	60	627.8	2,281	11.1
Galt.....	May 1911	60	21,184.9	92,596	5.7
Georgetown.....	Sep. 1913	60	5,886.7	27,075	16.5
Glencoe.....	Aug. 1920	60	526.4	1,906	6.8
Goderich.....	Feb. 1914	60	3,854.7	18,032	5.2
Grand Bend.....	July 1954	60	434.3	2,224	2.9
Grand Valley.....	Dec. 1916	60	431.4	1,401	3.4
Granton.....	July 1916	60	105.5	382	7.4
Gravenhurst.....	Nov. 1915	60	2,444.0	11,405	2.6
Grimsby.....	Jan. 1930	60	2,525.5	11,391	9.5
Guelph.....	Dec. 1910	60	27,470.5	125,230	8.1
Hagersville.....	Sep. 1913	25	1,861.5	6,785	3.5
Hamilton.....	Feb. 1911	25 & 60	270,287.1	1,536,246	1.8
Hanover.....	Sep. 1916	60	3,262.4	12,753	5.1
Harriston.....	July 1916	60	1,182.5	5,020	9.2
Harrow.....	Feb. 1919	60	1,231.5	4,811	7.5
Hastings.....	June 1931	60	387.2	1,622	17.2
Havelock.....	Feb. 1921	60	455.9	1,745	12.5
Hawkesbury.....	June 1952	60	2,517.8	11,523	11.2
Hensall.....	Jan. 1917	60	704.7	2,838	9.9
†Hepworth.....	Apr. 1930	60	109.6	404	5.9
Hespeler.....	Feb. 1911	60	5,121.4	23,676	6.1
Highgate.....	Dec. 1916	60	208.9	574	8.4

† Local system

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Holstein.....	May 1916	60	104.9	347	2.3
Huntsville.....	Sep. 1916	60	2,299.1	12,176	2.5
Ingersoll.....	May 1911	60	4,440.5	21,540	0.8
Iroquois.....	Feb. 1940	60	791.2	3,362	10.3
Jarvis.....	Feb. 1924	25	346.8	1,309	2.5
Kemptville.....	Dec. 1921	60	1,321.1	5,509	8.4
Kincardine.....	Mar. 1921	60	1,735.1	8,536	7.8
Kingston.....	Dec. 1917	60	36,189.4	176,202	3.8
Kingsville.....	Feb. 1919	60	1,564.5	6,910	0.8
Kirkfield.....	June 1920	60	81.0	266	12.8
Kitchener.....	Jan. 1911	60	55,560.0	271,639	3.4
Lakefield.....	Aug. 1920	60	1,131.8	4,558	38.5
Lambeth.....	Apr. 1915	60	886.4	2,980	2.9
Lanark.....	Sep. 1921	60	303.1	1,168	11.7
Lancaster.....	May 1921	60	245.9	922	10.1
La Salle.....	Nov. 1925	60	1,155.9	4,745	9.8
Leamington.....	Feb. 1919	60	4,964.8	23,177	8.4
Lindsay.....	Mar. 1916	60	6,991.9	35,748	8.5
Listowel.....	June 1916	60	2,624.5	11,383	6.7
London.....	Jan. 1911	60	61,921.1	332,342	2.6
London Twp.....	Sep. 1917	60	1,699.3	5,926	0.5
Long Branch.....	Jan. 1931	60	6,740.9	29,522	7.2
L'Orignal.....	June 1952	60	272.1	1,082	16.8
Lucan.....	Feb. 1915	60	569.7	2,117	4.0
Lucknow.....	Jan. 1921	60	550.0	2,234	9.6
Lynden.....	Nov. 1915	60	255.9	963	5.7
Madoc.....	Mar. 1916	60	773.7	3,261	4.3
Magnetawan.....	July 1951	60	76.0	284	13.4
Markdale.....	Mar. 1916	60	627.3	2,304	9.1
Markham.....	Apr. 1920	60	2,194.0	8,196	21.4
Marmora.....	Jan. 1921	60	715.8	2,737	11.0
Martintown.....	May 1921	60	140.8	479	10.7
Maxville.....	Feb. 1921	60	394.3	1,407	9.2
Meaford.....	Jan. 1924	60	2,235.2	10,257	2.9
Merlin.....	Dec. 1922	60	301.2	1,024	12.2
Merrickville.....	July 1950	60	393.2	1,726	1.1
Merritton.....	Nov. 1920	60	15,095.0	85,995	2.4
Midland.....	July 1911	60	6,658.4	27,598	4.3
Mildmay.....	Apr. 1930	60	440.5	1,648	5.2
Millbrook.....	Mar. 1916	60	399.4	1,496	2.6
Milton.....	Apr. 1913	60	4,216.5	17,776	11.1
Milverton.....	June 1916	60	801.6	2,896	2.3
Mimico.....	May 1912	60	7,892.9	36,132	9.1
Mitchell.....	Sep. 1911	60	1,495.9	6,731	3.2
Moorefield.....	Mar. 1918	60	167.0	665	3.9

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Morrisburg.....	June 1938	60	1,310.0	5,704	3.4
Mount Brydges.....	Mar. 1915	60	315.6	1,158	7.8
Mount Forest.....	Dec. 1915	60	1,557.0	6,283	6.6
Napanee.....	Mar. 1916	60	3,078.1	14,304	11.9
Neustadt.....	Dec. 1918	60	247.5	913	11.3
Newboro.....	Dec. 1948	60	76.0	291	16.2
Newburgh.....	Mar. 1916	60	219.8	846	15.3
Newbury.....	Mar. 1921	60	99.6	360	1.0
Newcastle.....	Mar. 1916	60	754.2	3,334	13.6
New Hamburg.....	Mar. 1911	60	1,168.0	5,028	7.5
Newmarket.....	Dec. 1920	60	5,510.8	23,327	14.1
New Toronto.....	Feb. 1914	60	18,902.2	91,498	2.9
Niagara.....	Aug. 1919	60	1,742.5	8,509	5.2
Niagara Falls.....	Dec. 1915	60	17,039.8	84,067	3.2
North York Twp.....	Nov. 1923	60	131,869.7	589,139	13.2
Norwich.....	May 1912	60	939.9	3,950	4.4
Norwood.....	Feb. 1921	60	454.3	2,074	5.2
Oakville.....	Jan. 1930	60	9,159.7	40,748	7.7
Oil Springs.....	Feb. 1918	60	225.3	1,153	0.7
Omeme.....	Jan. 1918	60	413.2	1,563	4.5
Orangeville.....	July 1916	60	2,830.2	10,958	9.2
Orillia.....	Jan. 1954	60	4,622.4	12,679	20.6
Orono.....	Mar. 1916	60	409.8	1,532	7.9
Oshawa.....	Mar. 1916	60	53,987.8	265,538	13.4
Ottawa.....	Jan. 1914	60	145,799.0	596,705	13.1
Otterville.....	Feb. 1916	60	332.6	1,358	2.0
Owen Sound.....	Dec. 1915	60	10,848.9	50,613	4.6
Paisley.....	Sep. 1923	60	455.6	1,710	13.5
Palmerston.....	July 1916	60	1,060.0	4,828	1.9
Paris.....	Feb. 1914	60	3,457.6	14,964	7.2
Parkhill.....	May 1920	60	679.9	2,660	4.0
Parry Sound.....	Aug. 1946	60	1,483.5	6,369	5.4
Penetanguishene.....	July 1911	60	2,163.0	10,243	1.0
Perth.....	Feb. 1919	60	3,319.0	14,045	3.2
Peterborough.....	Mar. 1913	60	35,428.3	177,420	3.8
Petrolia.....	May 1916	60	1,503.8	7,464	4.2
Picton.....	Apr. 1919	60	3,509.2	15,186	5.4
Plattsville.....	Dec. 1914	60	561.6	1,870	6.9
Point Edward.....	Nov. 1916	60	3,293.5	12,314	18.7
Port Burwell.....	Aug. 1955	60	202.6	816	13.0
†Port Carling.....	Apr. 1929	60	309.3	1,652	9.5
Port Colborne.....	Mar. 1920	60	5,998.9	27,706	1.6
Port Credit.....	Aug. 1912	60	9,407.5	37,624	41.9
Port Dalhousie.....	Nov. 1912	60	1,498.0	8,074	5.3
Port Dover.....	Dec. 1921	60	1,781.0	8,222	8.3

† Local system

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Port Elgin.....	Apr. 1930	60	1,065.0	4,774	8.7
Port Hope.....	Mar. 1916	60	6,986.2	35,044	12.2
Port McNicoll.....	Jan. 1915	60	1,104.0	2,797	7.7
Port Perry.....	Sep. 1922	60	1,140.0	4,493	18.1
Port Rowan.....	Nov. 1926	60	254.4	946	6.3
Port Stanley.....	Apr. 1912	60	990.1	4,870	2.3
Prescott.....	Dec. 1913	60	3,222.7	13,469	3.7
Preston.....	Jan. 1911	60	8,026.5	35,303	9.9
Priceville.....	Mar. 1921	60	42.9	151	2.2
Princeton.....	Jan. 1915	60	226.7	861	5.0
Queenston.....	Mar. 1921	60	279.8	1,424	0.9
Renfrew.....	Dec. 1944	60	3,418.9	11,667	15.2
Richmond.....	Aug. 1928	60	371.7	1,479	13.5
Richmond Hill.....	June 1925	60	6,955.4	25,895	35.4
Ridgetown.....	Dec. 1915	60	1,241.2	4,766	5.7
Ripley.....	Jan. 1921	60	276.6	1,066	17.8
Riverside.....	Nov. 1922	60	5,828.3	22,365	6.8
Rockland.....	Apr. 1954	60	771.0	2,964	8.0
Rockwood.....	Sep. 1913	60	404.6	1,521	5.8
Rodney.....	Feb. 1917	60	464.5	1,670	14.3
Rosseau.....	July 1931	60	63.1	293	1.4
Russell.....	Feb. 1926	60	253.6	930	13.3
St. Catharines.....	Apr. 1914	60	41,545.9	197,607	4.6
St. Clair Beach.....	Nov. 1922	60	579.4	2,193	27.5
St. George.....	Sep. 1915	60	371.0	1,697	2.0
St. Jacobs.....	Sep. 1917	60	426.0	1,635	13.0
St. Mary's.....	May 1911	60	2,754.5	13,557	4.8
St. Thomas.....	Apr. 1911	60	13,513.8	66,976	4.6
Sandwich East Twp. . .	Oct. 1956	60	5,828.8	25,137	....
Sandwich West Twp. . .	Mar. 1956	60	8,806.2	34,035	....
Sarnia.....	Dec. 1916	60	37,995.4	219,713	6.4
Scarborough Twp.	Aug. 1918	60	105,025.8	470,167	12.5
Seaforth.....	Nov. 1911	60	1,476.1	6,265	11.8
Shelburne.....	July 1916	60	843.3	3,169	5.3
Simcoe.....	Apr. 1915	60	6,492.0	26,735	8.9
Smith's Falls.....	Sep. 1918	60	6,450.5	28,035	5.0
Smithville.....	Jan. 1930	60	445.8	1,859	3.7
Southampton.....	Apr. 1930	60	904.0	4,542	6.5
Springfield.....	Aug. 1917	60	258.3	810	11.3
Stamford Twp.	Nov. 1916	60	15,161.8	68,274	6.6
Stayner.....	Oct. 1913	60	1,008.5	3,569	8.4
Stirling.....	Mar. 1916	60	759.4	3,103	3.5
Stoney Creek.....	Jan. 1930	60	3,383.6	13,798	18.1
Stouffville.....	Sep. 1923	60	1,703.0	6,228	13.6
Stratford.....	Jan. 1911	60	14,163.7	70,258	4.8

POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Continued		cycles	kw	'000 kwh	per cent
Strathroy.....	Dec. 1914	60	2,999.4	14,557	8.0
Streetsville.....	Dec. 1934	60	2,519.5	10,257	18.5
Sunderland.....	Nov. 1914	60	375.0	1,254	9.9
Sundridge.....	June 1952	60	279.5	1,071	13.4
Sutton.....	Aug. 1923	60	806.0	3,890	5.7
Swansea.....	Oct. 1937	60	5,559.4	28,105	6.8
Tara.....	Feb. 1918	60	265.6	990	5.1
Tavistock.....	Nov. 1916	60	771.2	3,345	8.1
Tecumseh.....	Nov. 1922	60	1,239.0	5,098	7.5
Teeswater.....	Dec. 1920	60	469.0	2,160	17.5
Thamesford.....	Feb. 1914	60	522.5	1,929	11.6
Thamesville.....	Oct. 1915	60	582.0	2,217	7.0
Thedford.....	May 1922	60	326.2	1,459	7.0
Thornbury.....	Sep. 1944	60	542.9	2,471	49.8
Thorndale.....	Mar. 1914	60	225.0	764	5.5
Thornton.....	Nov. 1918	60	125.7	386	15.1
Thorold.....	Jan. 1921	60	9,911.8	59,006	2.3
Tilbury.....	Apr. 1915	60	1,164.6	5,455	0.3
Tillsonburg.....	Aug. 1911	60	4,287.6	18,037	8.6
Toronto.....	June 1911	25 & 60	546,412.0	3,052,679	3.3
Toronto Twp.....	Aug. 1913	60	43,930.0	247,107	39.1
Tottenham.....	Oct. 1918	60	357.4	1,455	5.2
Trafalgar Twp.....	Dec. 1923	60	9,628.3	35,457	41.1
Trenton.....	Mar. 1916	60	14,840.0	77,439	33.0
Tweed.....	Mar. 1916	60	922.0	3,800	2.9
Uxbridge.....	Sep. 1922	60	1,318.6	5,642	13.8
Vankleek Hill.....	June 1952	60	482.2	1,793	14.8
Victoria Harbour.....	July 1914	60	250.0	1,094	8.0
Walkerton.....	Apr. 1930	60	2,269.0	9,352	8.0
Wallaceburg.....	Feb. 1915	60	6,912.8	38,911	2.6
Wardsville.....	June 1921	60	149.7	509	0.4
Warkworth.....	Oct. 1923	60	247.5	798	4.8
Wasaga Beach.....	Jan. 1953	60	210.3	2,059	3.5
Waterdown.....	Nov. 1911	60	1,028.7	4,147	8.9
Waterford.....	Apr. 1915	60	929.4	3,364	4.1
Waterloo.....	Dec. 1910	60	13,163.0	64,871	7.1
Watford.....	Sep. 1917	60	853.7	3,608	7.7
Waubashene.....	Dec. 1914	60	247.4	1,061	8.4
Welland.....	Sep. 1917	60	13,811.1	64,143	1.3
Wellesley.....	Nov. 1916	60	364.4	1,344	8.7
Wellington.....	Apr. 1919	60	492.5	2,242	8.1
West Lorne.....	Jan. 1917	60	920.3	3,414	3.0
Weston.....	Aug. 1911	60	8,658.5	39,836	0.7
Westport.....	Nov. 1931	60	318.2	1,254	5.7
Wheatley.....	Feb. 1924	60	725.0	2,834	9.0

TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
SOUTHERN ONTARIO SYSTEM—Concluded		cycles	kw	'000 kwh	per cent
Whitby.....	Mar. 1916	60	8,578.1	39,970	5.0
Warton.....	Apr. 1930	60	1,115.3	4,862	2.6
Williamsburg.....	Apr. 1915	60	211.7	816	6.8
Winchester.....	Jan. 1914	60	995.6	4,279	9.2
Windermere.....	June 1930	60	41.5	422	2.5
Windsor.....	Oct. 1914	60	77,569.9	377,176	1.2
Wingham.....	Dec. 1920	60	1,816.1	8,452	3.0
Woodbridge.....	Dec. 1914	60	1,978.8	10,087	1.2
Woodstock.....	Jan. 1911	60	16,425.6	79,656	3.6
Woodville.....	Nov. 1914	60	219.6	702	8.8
Wyoming.....	Nov. 1916	60	338.1	1,257	6.0
York Twp.....	Jan. 1913	60	59,810.2	297,987	6.5
Zurich.....	Sep. 1917	60	327.5	1,258	8.2
NORTHERN ONTARIO PROPERTIES					
Atikokan Twp.....	Dec. 1944	60	3,568.5	14,531	11.8
†Beardmore.....	June 1937	60	396.5	1,584	7.2
†Blind River.....	Nov. 1954	60	1,755.0	7,580	31.3
Cache Bay.....	Dec. 1950	60	140.7	1,331	15.3
Capreol.....	May 1935	60	1,526.8	6,650	12.1
Chapleau Twp.....	Aug. 1955	60	382.8	667	62.3
†Cobalt.....	Jan. 1945	60	907.9	4,287	4.9
Cochrane.....	Dec. 1952	60	2,282.6	11,399	7.2
Coniston.....	Sep. 1956	60	888.7	3,384	....
Dryden.....	Feb. 1954	60	2,465.4	11,666	7.6
†Elk Lake Townsite....	Jan. 1945	25	320.9	1,010	12.9
†Englehart.....	Jan. 1945	60	832.7	3,426	3.5
Fort William.....	Oct. 1926	60	34,904.5	185,381	2.8
†Geraldton.....	Feb. 1937	60	1,291.0	5,401	6.8
†Gogama.....	Aug. 1956	25	157.7	456	....
†Haileybury.....	Jan. 1945	60	1,388.2	6,008	5.2
Hearst.....	Apr. 1952	60	1,033.2	4,105	22.2
†Hornepayne.....	Feb. 1955	60	517.4	2,642	14.5
†Hudson Townsite.....	Oct. 1939	60	148.5	648	6.9
†Ignace.....	Dec. 1954	60	170.1	1,075	40.8
†Jellicoe Townsite.....	Dec. 1951	60	57.7	195	19.5
Kapuskasing.....	Aug. 1953	60	3,425.6	13,953	12.6
†Kearns Townsite.....	Dec. 1938	25	233.5	963	10.7
†King Kirkland Townsite.....	Dec. 1936	25	89.2	331	8.4
†Kirkland Lake.....	Jan. 1945	25 & 60	6,825.3	29,153	9.6

† Local system

**POWER AND ENERGY SUPPLIED IN WHOLESALE QUANTITIES
TO MUNICIPAL ELECTRICAL UTILITIES AND LOCAL SYSTEMS**

Municipality	Date of first delivery	Frequency December 1957	Peak load December 1957	Energy supplied during 1957	Increase or decrease in energy consumption 1957 over 1956
NORTHERN ONTARIO PROPERTIES—Concluded		cycles	kw	'000 kwh	per cent
Larder Lake Twp.....	Mar. 1949	60	809.2	3,272	8.2
Latchford.....	Apr. 1950	60	109.8	432	19.5
Massey.....	Dec. 1952	60	272.6	1,167	22.2
† Matachewan Twp.....	Apr. 1935	25	237.5	1,129	4.0
† Matheson.....	Dec. 1935	25	524.2	2,323	12.0
† Mattawa.....	Jan. 1953	60	1,088.8	5,369	0.7
McGarry.....	Mar. 1949	60	996.0	3,632	7.6
† New Liskeard.....	Jan. 1945	60	3,209.4	13,946	9.3
Nipigon Twp.....	Jan. 1925	60	1,434.0	5,985	22.4
North Bay.....	Mar. 1916	60	14,556.3	64,120	10.7
† Pickle Lake					
Landing Townsite....	Aug. 1952	60	87.4	339	59.8
Port Arthur.....	Dec. 1910	60	39,381.5	176,082	1.5
† Powassan.....	Mar. 1916	60	509.6	1,954	12.1
† Red Lake Townsite....	June 1938	60	1,222.8	4,852	0.8
Red Rock.....	Feb. 1948	60	926.2	3,516	15.0
Schreiber Twp.....	Nov. 1948	60	1,144.8	4,670	8.8
Sioux Lookout.....	Sep. 1939	60	1,531.9	7,611	8.1
† South Porcupine					
Townsite.....	Jan. 1945	25	2,026.0	8,309	6.6
Sturgeon Falls.....	Apr. 1951	60	2,000.9	8,083	9.4
Sudbury.....	Feb. 1930	60	27,775.1	129,010	5.8
Terrace Bay.....	Jan. 1948	60	1,278.3	6,581	6.0
Thessalon.....	May 1956	60	600.0	2,667	....
† Thornloe.....	Jan. 1945	60	37.0	153	17.3
† Timmins.....	Jan. 1945	25	12,933.2	52,044	10.5
Webbwood.....	Dec. 1952	60	127.0	451	20.5
West Ferris Twp.....	Apr. 1954	60	2,443.5	10,613	33.8

† Local system

APPENDIX II—FINANCIAL

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SOUTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	In		
	Balance at January 1, 1957	Changes	
		Placed in service	Equipment relocated and reclassified
	\$	\$	\$
Power System			
HYDRO-ELECTRIC GENERATING STATIONS			
Niagara River			
Sir Adam Beck-Niagara No. 1.....	83,876,925	8,480	.....
Sir Adam Beck-Niagara No. 2.....	251,233,223	30,722,558	35,552
Ontario Power.....	21,804,219	.....	.....
Toronto Power.....	11,452,028	929	.....
Welland Canal			
DeCew Falls.....	27,566,211	18,457	199
St. Lawrence River			
St. Lawrence Power Project (see note).....	.....	135,511	135,511
Ottawa River			
Des Joachims.....	73,214,982	262,782	255,835
Otto Holden.....	57,627,860	91,121	287
Chenault.....	29,247,792	36,600	20,857
Chats Falls.....	9,141,697	45,368	.....
Ogoki Diversion.....	5,044,689	.....	.....
Madawaska River			
Stewartville.....	12,198,968	196,843	22,716
Barrett Chute.....	4,897,493	.....	.....
Other properties.....	21,214,202	704,121	33,429
	608,520,289	32,222,770	417,240
THERMAL-ELECTRIC GENERATING STATIONS			
J. Clark Keith—Windsor.....	46,314,726	93,727	133,283
Richard L. Hearn—Toronto.....	47,864,530	89,258	178,328
Other properties.....	316,300	91,200	.....
	94,495,556	274,185	311,611
Total generating stations.....	703,015,845	32,496,955	728,851
TRANSFORMER STATIONS			
230-kv.....	74,368,535	1,966,412	182,523
Other—Niagara Division.....	89,304,291	11,270,103	386,979
—Georgian Bay Division.....	7,365,178	513,830	67,372
—Eastern Ontario Division....	20,078,467	1,631,269	66,575
Total transformer stations.....	191,116,471	15,381,614	205,253
TRANSMISSION LINES			
230-kv.....	79,002,045	4,909,438	.....
Other—Niagara Division.....	57,668,564	3,003,458	39,076
—Georgian Bay Division.....	7,888,184	152,143	14,580
—Eastern Ontario Division....	24,352,522	618,408	14,497
Total transmission lines.....	168,911,315	8,683,447	39,159

NOTE: The cost of the St. Lawrence Power Project under construction at December 31, 1957, \$210,665,224, includes generation, transformation, transmission, and rural distribution facilities.

SYSTEM

ASSETS

Year 1957 and Balances at December 31, 1957

service		Under construction at December 31, 1957	Total fixed assets at December 31, 1957	Expenditures during 1957
during year	Balance at December 31, 1957			
Sales and retirements				
\$	\$	\$	\$	\$
21,266	83,864,139	182,913	84,047,052	131,603
9,709	281,910,520	22,741,022	304,651,542	18,651,314
.....	21,804,219	1,671	21,805,890	1,671
.....	11,452,957	40,144	11,493,101	27,049
25,746	27,558,723	150,531	27,709,254	135,804
.....	.....	210,665,224	210,665,224	86,303,799
21,840	73,200,089	15,058	73,215,147	97,313
.....	57,718,694	53,157	57,771,851	104,921
10,648	29,294,601	16,636	29,311,237	17,245
18,160	9,168,905	2,427	9,171,332	34,063
.....	5,044,689	.....	5,044,689	.....
.....	12,418,527	5,124	12,423,651	103,597
.....	4,897,493	17,508	4,915,001	17,508
690,078	21,194,816	61,323	21,256,139	29,589
797,447	639,528,372	233,952,738	873,481,110	105,655,476
4,800	46,270,370	56,123	46,326,493	121,836
6,434	47,769,026	14,432,593	62,201,619	12,771,454
74,879	332,621	414,835	747,456	71,147
86,113	94,372,017	14,903,551	109,275,568	12,964,437
883,560	733,900,389	248,856,289	982,756,678	118,619,913
244,692	75,907,732	1,266,152	77,173,884	2,498,940
3,507,941	97,453,432	3,062,232	100,515,664	8,552,645
274,291	7,672,089	31,129	7,703,218	250,598
356,500	21,286,661	451,159	21,737,820	1,614,205
4,383,424	202,319,914	4,810,672	207,130,586	12,916,388
62,569	83,848,914	2,550,633	86,399,547	4,677,113
696,355	60,014,743	1,377,848	61,392,591	2,668,256
56,863	7,998,044	366,586	8,364,630	410,453
111,079	24,845,354	480,291	25,325,645	664,318
926,866	176,707,055	4,775,358	181,482,413	8,420,140

SOUTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	In		
	Balance at January 1, 1957	Changes	
		Placed in service	Equipment relocated and reclassified
	\$	\$	\$
Power System—(continued)			
LOCAL SYSTEMS			
Niagara Division	146,421		17,566
Georgian Bay Division	220,811	23,661	6,019
Total local systems	367,232	23,661	11,547
COMMUNICATIONS	12,008,625	325,784	320,603
Total power system	1,075,419,488	56,911,461	175,383
Administrative and Service Buildings and Equipment			
BUILDINGS	19,737,405	1,164,591	14,500
OFFICE AND SERVICE EQUIPMENT	5,115,664	678,297	.....
Total administrative and service buildings and equipment	24,853,069	1,842,888	14,500
Rural Power District	178,239,597	14,168,250	160,883
Total fixed assets	1,278,512,154	72,922,599	.....

Changes in Assets under Construction During 1957

Under construction at January 1, 1957	\$	177,435,628
Expenditures during 1957		156,681,202
	\$	334,116,830
Less—Placed in service during 1957		72,922,599
Under construction at December 31, 1957	\$	261,194,231

SYSTEM**ASSETS****Year 1957 and Balances at December 31, 1957**

service		Under construction at December 31, 1957	Total fixed assets at December 31, 1957	Expenditures during 1957
during year	Balance at December 31, 1957			
Sales and retirements				
\$	\$	\$	\$	\$
128,855 2,376	248,115	38,308	286,423	52,321
131,231	248,115	38,308	286,423	52,321
538,104	12,116,908	164,494	12,281,402	200,379
6,863,185	1,125,292,381	258,645,121	1,383,937,502	140,209,141
60,727 197,104	20,855,769 5,596,857	921,249	21,777,018 5,596,857	1,241,857 678,297
257,831	26,452,626	921,249	27,373,875	1,920,154
2,535,316	190,033,414	1,627,861	191,661,275	14,551,907
9,656,332	1,341,778,421	261,194,231	1,602,972,652	156,681,202

Summary of Sales and Retirements During 1957

Charged to operations.....	\$ 238,440
Charged to frequency standardization.....	452,912
Charged to reserve for stabilization of rates and contingencies.....	424,166
Charged to accumulated depreciation.....	6,691,037
Proceeds from sales.....	1,849,777
	<u>\$ 9,656,332</u>

SOUTHERN ONTARIO

ACCUMULATED DEPRECIATION

December 31, 1957

	Power System	Rural Power District	Administrative and service buildings and equipment	Total
Balances at January 1, 1957 . .	\$ 121,374,859	\$ 30,903,353	\$ 4,341,539	\$ 156,619,751
Add:				
Interest at 3% per annum on accumulated deprecia- tion required on plant not fully depreciated	3,107,466	842,774	45,760	3,996,000
Provision in the year				
—direct (see note)	9,915,359	6,312,053	.....	16,227,412
—indirect	4,420	.....	722,996	727,416
Salvage recoveries less re- moval costs of assets re- tired	58,109	349,435	.....	291,326
Adjustments re transfer of equipment	26,800	26,626	174	.....
Other adjustments	7,086	.....	.....	7,086
	134,324,281	38,434,241	5,110,469	177,868,991
Deduct:				
Cost of fixed assets retired less proceeds from sales . .	4,265,787	2,416,521	8,729	6,691,037
Balances at December 31, 1957	130,058,494	36,017,720	5,101,740	171,177,954

NOTE—The provision in the year includes an additional 1% provision amounting to \$1,835,252 for the Rural Power District and \$2,402 for the Power System (local distribution systems) on fixed assets in service. A further \$850,000 as a special appropriation for the Rural Power District is also included.

SYSTEM

FREQUENCY STANDARDIZATION ACCOUNT

December 31, 1957

Balance at debit at January 1, 1957.....		\$141,743,325
Expenditures for frequency standardization work completed during year.....	\$ 49,779,406	
Less industrial customers' contributions.....	1,911,945	
	\$ 47,867,461	
Less portion of cost charged to cost of power for the year.....	9,412,801	
		38,454,660
Balance at debit at December 31, 1957.....		\$180,197,985

SOUTHERN ONTARIO
STATEMENTS OF RESERVES,
Stabilization of Rates

	Power System		
	General	Stream-flow variation	Maximum power cost
	\$	\$	\$
Balances at January 1, 1957	92,384,504	.....	461,032
Add:			
Interest for year on reserve balances (Note 1)	3,002,496	.....	18,441
Provision in the year	3,445,509	5,168,263	.....
Excess of revenue over costs of supplying power to Rural Power District customers	7,531,737	7,531,737	.....
Transfer	127,760	.....	.....
Profit on redemption of funded debt and sale of investments, net	91,428,532	12,700,000	479,473
Deduct:			
Expenditures during year .....	.....	.....	.....
Withdrawal in year applied in reduction of cost of power .....	.....	.....	18,441
Miscellaneous charges (Note 2)	424,166	.....	.....
Balances at December 31, 1957	91,004,366	12,700,000	461,032

NOTE 1—Interest for the year on the general reserve balances was credited at 3.25%, which approximated the actual earnings on the investments held for these reserves. Interest on the other reserve balances was at 4%.

NOTE 2—Miscellaneous charges include the write-off of the undepreciated capital on the demolition of the Niagara River weir, \$409,188.

Exchange Discount and Premium on Funded Debt

	Discount	Premium
	\$	\$
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1957	4,107,986	4,807,160
Add prior year adjustment	6,139	.....
	4,114,125	4,807,160
Less discount and premium on bonds redeemed during 1957 ..	46,555	3,302
Balances at December 31, 1957	4,067,570	4,803,858

SYSTEM

DECEMBER 31, 1957

and Contingencies

Rural Power District		Sub-total	Nuclear research	Total
General	Rates suspense			
\$ 1,517,724	\$ 109,673	\$ 94,472,933	\$	\$ 94,472,933
49,326	4,387	3,074,650	.....	3,074,650
.....	.....	8,613,772	4,000,000	12,613,772
.....	12,057	12,057	.....	12,057
.....
.....	.....	127,760	.....	127,760
1,567,050	126,117	106,301,172	4,000,000	110,301,172
.....	.....	.....	1,308,658	1,308,658
.....	.....	18,441	.....	18,441
.....	.....	424,166	.....	424,166
1,567,050	126,117	105,858,565	2,691,342	108,549,907

Sinking Fund

	Power System and Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$
Balances at January 1, 1957.....	210,923,682	2,712,184	213,635,866
Add:			
Interest at 4% per annum on reserve balances	8,436,948	108,489	8,545,437
Provision in the year—direct.....	12,559,742	.....	12,559,742
—indirect.....	.....	215,725	215,725
	231,920,372	3,036,398	234,956,770
Deduct credits resulting from matured sinking funds (see note):			
Interest.....	243,669	41,202	284,871
Principal.....	64,147	10,847	74,994
	307,816	52,049	359,865
Balances at December 31, 1957.....	231,612,556	2,984,349	234,596,905

NOTE: The matured sinking funds at January 1, 1957 amounted to \$5,672,571.

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standardization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Acton.....	3,159.1	14,254.7	120,984.09	15,795.50	7,897.75
Ailsa Craig.....	243.1	1,007.2	9,747.01	1,215.50	607.75
Ajax.....	4,163.5	22,569.0	146,012.99	.....	10,408.75
Alexandria.....	1,275.5	5,747.1	48,593.31	.....	3,188.75
Alfred.....	263.8	980.8	10,177.24	.....	659.50
Alliston.....	1,323.5	7,083.1	56,753.48	.....	3,308.75
Almonte.....	1,150.9	4,615.0	38,933.43	.....	2,877.25
Alvinston.....	212.1	810.6	8,447.88	1,060.50	530.25
Amherstburg.....	2,661.6	14,815.2	107,569.91	13,308.00	6,654.00
Ancaster Twp.....	1,688.3	8,070.5	57,757.41	8,441.50	4,220.75
Apple Hill.....	73.5	308.2	2,690.98	.....	183.75
Arkona.....	224.7	924.4	8,661.65	1,123.50	561.75
Arnprior.....	3,455.8	16,163.2	121,109.15	.....	8,639.50
Arthur.....	556.4	2,503.2	22,669.83	.....	1,391.00
Athens.....	297.7	1,391.2	10,811.97	.....	744.25
Aurora.....	2,683.1	15,119.1	96,811.01	13,415.50	6,707.75
Aylmer.....	2,865.8	14,098.1	97,281.58	14,329.00	7,164.50
Ayr.....	529.5	2,161.2	19,874.75	2,647.50	1,323.75
Baden.....	548.2	2,017.2	18,121.52	2,741.00	1,370.50
Bancroft.....	606.4	2,518.4	28,109.96	.....	1,516.00
Barrie.....	11,746.3	64,395.2	396,194.38	.....	29,365.75
Barry's Bay.....	233.6	1,049.2	10,333.37	.....	584.00
Bath.....	251.7	1,090.2	9,230.51	.....	629.25
Beachville.....	1,709.2	10,846.5	67,279.13	8,546.00	4,273.00
Beamsville.....	1,200.2	6,234.6	43,081.23	6,001.00	3,000.50
Beaverton.....	842.8	3,813.1	37,325.83	.....	2,107.00
Beeton.....	318.9	1,482.4	14,540.00	.....	797.25
Belle River.....	527.1	2,471.9	20,808.70	2,635.50	1,317.75
Belleville.....	14,360.7	77,932.2	459,802.95	.....	35,901.75
Blenheim.....	1,145.0	5,328.0	42,340.31	5,725.00	2,862.50
Bloomfield.....	364.4	1,456.3	12,684.77	.....	911.00
Blyth.....	469.1	2,155.6	18,521.33	2,345.50	1,172.75
Bobcaygeon.....	537.2	2,426.0	20,307.41	.....	1,343.00
Bolton.....	636.7	3,096.5	25,387.59	3,183.50	1,591.75
Bothwell.....	307.4	1,249.6	12,712.62	1,537.00	768.50
Bowmanville.....	4,966.8	24,431.9	162,236.02	.....	12,417.00
Bracebridge.....	199.6	380.9	6,530.22	.....	499.00
Bradford.....	1,189.7	6,081.0	46,845.18	.....	2,974.25
Braeside.....	334.5	1,002.0	10,557.61	.....	836.25
Brampton.....	8,484.2	39,356.2	261,899.80	42,421.00	21,210.50

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
8,306.34	136,371.00	140,579.96	4,208.96	44.50	43.17
639.19	10,931.07	11,242.21	311.14	46.25	44.97
10,947.24	145,474.50	159,253.25	13,778.75	38.25	34.94
3,353.72	48,428.34	51,977.31	3,548.97	40.75	37.97
693.62	10,143.12	10,090.06	53.06	38.25	38.45
3,479.93	56,582.30	59,227.37	2,645.07	44.75	42.75
3,026.10	38,784.58	42,581.76	3,797.18	37.00	33.70
557.68	9,480.95	9,862.67	381.72	46.50	44.70
6,998.24	120,533.67	126,425.22	5,891.55	47.50	45.29
4,439.11	65,980.55	68,799.59	2,819.04	40.75	39.08
193.26	2,681.47	2,866.19	184.72	39.00	36.48
590.81	9,756.09	9,941.87	185.78	44.25	43.42
9,086.46	120,662.19	128,728.85	8,066.66	37.25	34.92
1,462.96	22,597.87	23,227.97	630.10	41.75	40.61
782.75	10,773.47	11,533.95	760.48	38.75	36.19
7,054.77	109,879.49	112,690.20	2,810.71	42.00	40.95
7,535.15	111,239.93	131,826.43	20,586.50	46.00	38.82
1,392.23	22,453.77	23,295.80	842.03	44.00	42.41
1,441.40	20,791.62	20,282.17	509.45	37.00	37.93
1,594.43	28,031.53	30,926.83	2,895.30	51.00	46.23
30,884.98	394,675.15	416,991.89	22,316.74	35.50	33.60
614.21	10,303.16	10,860.46	557.30	46.50	44.11
661.80	9,197.96	9,943.15	745.19	39.50	36.54
4,494.06	75,604.07	76,061.27	457.20	44.50	44.23
3,155.73	48,927.00	54,908.00	5,981.00	45.75	40.77
2,216.01	37,216.82	37,924.90	708.08	45.00	44.16
838.50	14,498.75	14,590.84	92.09	45.75	45.46
1,385.92	23,376.03	24,378.76	1,002.73	46.25	44.35
37,759.12	457,945.58	491,853.69	33,908.11	34.25	31.89
3,010.59	47,917.22	51,525.00	3,607.78	45.00	41.85
958.13	12,637.64	13,455.28	817.64	35.75	34.68
1,233.42	20,806.16	21,579.76	773.60	46.00	44.35
1,412.48	20,237.93	21,083.48	845.55	39.25	37.67
1,674.10	28,488.74	29,127.13	638.39	45.75	44.74
808.26	14,209.86	15,368.74	1,158.88	50.00	46.23
13,059.39	161,593.63	172,595.14	11,001.51	34.75	32.53
524.82	6,504.40	7,184.70	680.30	36.00	32.59
3,128.12	46,691.31	47,586.01	894.70	40.00	39.25
879.51	10,514.35	11,287.70	773.35	33.75	31.43
22,307.82	303,223.48	316,038.01	12,814.53	37.25	35.74

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Brantford	37,779.1	187,636.1	1,191,201.89	188,895.50	94,447.75
Brantford Twp.	3,537.1	18,341.5	127,107.61	17,685.50	8,842.75
Brechin	107.5	452.5	4,827.73	.....	268.75
Bridgeport	576.0	2,755.2	20,311.34	2,880.00	1,440.00
Brigden	189.4	748.8	7,210.23	947.00	473.50
Brighton	1,037.2	5,277.9	39,061.49	.....	2,593.00
Brockville	12,575.0	62,297.8	387,068.52	.....	31,437.50
Bronte	714.0	3,660.4	26,607.27	3,570.00	1,785.00
Brussels	493.4	2,060.6	19,497.52	2,467.00	1,233.50
Burford	600.6	2,549.3	21,128.38	3,003.00	1,501.50
Burgessville	153.3	506.0	5,350.35	766.50	383.25
Burk's Falls	335.3	1,528.0	15,542.71	.....	838.25
Burlington	5,698.7	28,442.9	194,846.84	28,493.50	14,246.75
Caledonia	786.8	3,955.2	27,701.76	3,934.00	1,967.00
Campbellville	116.0	526.4	4,370.24	580.00	290.00
Cannington	503.5	2,292.0	23,340.71	.....	1,258.75
Cardinal	763.1	3,777.4	29,619.74	.....	1,907.75
Carleton Place	2,719.4	13,755.6	104,618.05	.....	6,798.50
Casselman	484.3	1,873.6	18,263.11	.....	1,210.75
Cayuga	308.0	1,368.2	11,448.40	1,540.00	770.00
Chalk River	285.0	1,636.8	10,501.56	.....	712.50
Chatham	14,812.9	70,918.9	459,152.62	74,064.50	37,032.25
Chatsworth	209.2	929.6	8,949.26	.....	523.00
Chesley	1,049.1	4,170.5	39,603.34	.....	2,622.75
Chesterville	994.9	4,554.6	39,092.76	.....	2,487.25
Chippawa	806.9	4,132.8	28,895.22	4,034.50	2,017.25
Clifford	259.4	1,236.4	10,159.43	1,297.00	648.50
Clinton	1,679.1	8,497.6	60,344.03	8,395.50	4,197.75
Cobden	457.5	1,949.4	14,962.96	.....	1,143.75
Cobourg	6,738.6	34,433.9	261,886.50	.....	16,846.50
Colborne	637.5	3,177.6	25,370.67	.....	1,593.75
Coldwater	351.9	1,493.3	13,795.60	.....	879.75
Collingwood	5,125.2	23,083.5	201,383.16	.....	12,813.00
Comber	238.4	954.6	9,438.68	1,192.00	596.00
Cookstown	266.9	1,168.0	11,905.37	.....	667.25
Cottam	188.2	804.8	6,632.24	941.00	470.50
Courtright	130.0	593.7	4,911.11	650.00	325.00
Creemore	390.9	1,716.0	16,266.45	.....	977.25
Dashwood	207.8	769.6	8,508.92	1,039.00	519.50
Delaware	190.7	761.0	6,988.87	953.50	476.75

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
99,333.99	1,375,211.15	1,445,052.18	69,841.03	38.25	36.40
9,300.23	144,335.63	138,832.47	5,503.16	39.25	40.81
282.65	4,813.83	4,595.27	218.56	42.75	44.78
1,514.50	23,116.84	23,903.66	786.82	41.50	40.13
498.00	8,132.73	8,666.59	533.86	45.75	42.94
2,727.15	38,927.34	41,228.71	2,301.37	39.75	37.53
33,063.91	385,442.11	418,119.31	32,677.20	33.25	30.65
1,877.35	30,084.92	30,703.08	618.16	43.00	42.14
1,297.31	21,900.71	23,315.13	1,414.42	47.25	44.39
1,579.18	24,053.70	25,523.39	1,469.69	42.50	40.05
403.08	6,097.02	6,361.25	264.23	41.50	39.77
881.62	15,499.34	16,850.92	1,351.58	50.25	46.23
14,983.80	222,603.29	240,769.39	18,166.10	42.25	39.06
2,068.76	31,534.00	32,259.85	725.85	41.00	40.08
305.00	4,935.24	5,043.83	108.59	43.50	42.55
1,323.87	23,275.59	23,160.61	114.98	46.00	46.23
2,006.45	29,521.04	30,525.67	1,004.63	40.00	38.69
7,150.22	104,266.33	110,136.38	5,870.05	40.50	38.34
1,273.39	18,200.47	20,097.06	1,896.59	41.50	37.58
809.84	12,948.56	13,784.49	835.93	44.75	42.04
749.36	10,464.70	10,828.43	363.73	38.00	36.72
38,948.11	531,301.26	559,186.03	27,884.77	37.75	35.87
550.06	8,922.20	8,784.30	137.90	42.00	42.65
2,758.44	39,467.65	40,914.90	1,447.25	39.00	37.62
2,615.93	38,964.08	42,281.13	3,317.05	42.50	39.16
2,121.61	32,825.36	33,083.93	258.57	41.00	40.68
682.05	11,422.88	11,803.07	380.19	45.50	44.04
4,414.92	68,522.36	71,359.63	2,837.27	42.50	40.81
1,202.92	14,903.79	15,782.92	879.13	34.50	32.58
17,718.05	261,014.95	281,335.85	20,320.90	41.75	38.73
1,676.20	25,288.22	27,093.74	1,805.52	42.50	39.67
925.26	13,750.09	14,515.53	765.44	41.25	39.07
13,475.88	200,720.28	210,132.20	9,411.92	41.00	39.16
626.83	10,599.85	11,145.97	546.12	46.75	44.46
701.77	11,871.85	11,810.71	61.14	44.25	44.48
494.84	7,548.90	7,858.74	309.84	41.75	40.11
341.81	5,544.30	5,686.41	142.11	43.75	42.65
1,027.81	16,215.89	16,516.95	301.06	42.25	41.48
546.38	9,521.04	9,817.36	296.32	47.25	45.82
501.41	7,917.71	8,199.40	281.69	43.00	41.52

SOUTHERN ONTARIO
STATEMENT OF THE
for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Delhi.....	1,767.2	8,993.1	67,341.22	8,836.00	4,418.00
Deseronto.....	759.4	3,691.6	29,619.26	.....	1,898.50
Dorchester.....	290.9	1,258.2	10,536.58	1,454.50	727.25
Drayton.....	286.9	1,116.7	10,291.59	1,434.50	717.25
Dresden.....	921.5	4,586.4	36,268.86	4,607.50	2,303.75
Drumbo.....	187.0	706.3	7,464.96	935.00	467.50
Dublin.....	183.5	742.0	6,359.46	917.50	458.75
Dundalk.....	415.9	1,781.2	18,103.71	.....	1,039.75
Dundas.....	5,907.9	28,619.5	182,795.05	29,539.50	14,769.75
Dunnville.....	2,876.9	14,181.5	114,436.97	14,384.50	7,192.25
Durham.....	1,224.4	5,337.6	48,046.39	.....	3,061.00
Dutton.....	321.5	1,362.4	13,295.29	1,607.50	803.75
East York Twp.....	30,693.4	166,390.5	990,287.77	153,467.00	76,733.50
Eganville.....	328.6	1,606.4	11,953.70	.....	821.50
Elmira.....	2,937.2	13,322.0	104,009.27	14,686.00	7,343.00
Elmvale.....	466.8	2,118.4	18,539.34	.....	1,167.00
Elmwood.....	160.3	509.2	6,393.05	.....	400.75
Elora.....	671.2	2,913.4	26,738.58	3,356.00	1,678.00
Embro.....	303.5	1,337.0	11,404.70	1,517.50	758.75
Erieau.....	319.2	1,526.4	12,841.63	1,596.00	798.00
Erie Beach.....	49.9	154.6	1,833.66	249.50	124.75
Erin.....	403.1	1,809.6	16,187.25	.....	1,007.75
Essex.....	1,244.3	6,311.3	47,496.43	6,221.50	3,110.75
Etobicoke Twp.....	72,474.1	437,453.7	2,487,912.61	362,370.50	181,185.25
Exeter.....	1,609.1	7,705.6	64,058.60	8,045.50	4,022.75
Fergus.....	2,906.7	11,822.1	102,870.77	14,533.50	7,266.75
Finch.....	180.9	804.8	6,705.39	.....	452.25
Flesherton.....	266.3	1,119.2	9,736.50	.....	665.75
Fonthill.....	944.9	4,435.2	32,646.63	4,724.50	2,362.25
Forest.....	1,033.0	5,901.6	42,714.73	5,165.00	2,582.50
Forest Hill.....	11,481.6	63,053.7	370,302.02	57,408.00	28,704.00
Frankford.....	511.9	2,281.0	17,204.52	.....	1,279.75
Galt.....	19,839.5	92,596.0	598,996.21	99,197.50	49,598.75
Georgetown.....	4,867.1	27,075.2	169,637.24	24,335.50	12,167.75
Glencoe.....	424.4	1,905.7	17,143.61	2,122.00	1,061.00
Goderich.....	3,679.8	18,032.2	151,243.85	18,399.00	9,199.50
Grand Bend.....	547.0	2,224.0	22,619.06	2,735.00	1,367.50
Grand Valley.....	384.0	1,401.0	16,805.24	.....	960.00
Granton.....	97.6	381.8	3,574.75	488.00	244.00
Gravenhurst.....	2,288.3	11,405.3	86,061.66	.....	5,720.75

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
4,646.56	75,948.66	76,873.19	924.53	43.50	42.98
1,996.72	29,521.04	31,514.77	1,993.73	41.50	38.87
764.87	11,953.46	12,945.43	991.97	44.50	41.09
754.36	11,688.98	12,334.91	645.93	43.00	40.74
2,422.93	40,757.18	42,389.76	1,632.58	46.00	44.23
491.69	8,375.77	8,834.95	459.18	47.25	44.79
482.48	7,253.23	7,616.99	363.76	41.50	39.53
1,093.54	18,049.92	17,673.62	376.30	42.50	43.40
15,533.86	211,570.44	217,115.65	5,545.21	36.75	35.81
7,564.34	128,449.38	134,493.53	6,044.15	46.75	44.65
3,219.36	47,888.03	49,895.68	2,007.65	40.75	39.11
845.33	14,861.21	16,395.68	1,534.47	51.00	46.23
80,703.29	1,139,784.98	1,174,023.19	34,238.21	38.25	37.13
864.00	11,911.20	12,405.60	494.40	37.75	36.25
7,722.89	118,315.38	124,831.37	6,515.99	42.50	40.28
1,227.37	18,478.97	18,905.76	426.79	40.50	39.58
421.48	6,372.32	6,373.25	.93	39.75	39.75
1,764.81	30,007.77	30,707.01	699.24	45.75	44.71
798.00	12,882.95	13,278.84	395.89	43.75	42.45
839.28	14,396.35	15,241.00	844.65	47.75	45.10
131.20	2,076.71	2,232.63	155.92	44.75	41.62
1,059.89	16,135.11	16,424.97	289.86	40.75	40.03
3,271.68	53,557.00	55,682.09	2,125.09	44.75	43.04
190,558.83	2,840,909.53	2,935,201.71	94,292.18	40.50	39.20
4,230.87	71,895.98	74,421.27	2,525.29	46.25	44.68
7,642.69	117,028.33	122,079.30	5,050.97	42.00	40.26
475.65	6,681.99	7,189.13	507.14	39.75	36.94
700.19	9,702.06	9,586.80	115.26	36.00	36.43
2,484.46	37,248.92	40,392.34	3,143.42	42.75	39.42
2,716.11	47,746.12	52,683.88	4,937.76	51.00	46.23
30,189.00	426,225.02	444,913.29	18,688.27	38.75	37.12
1,345.96	17,138.31	18,172.76	1,034.45	35.50	33.48
52,164.73	695,627.73	724,140.86	28,513.13	36.50	35.06
12,797.25	193,343.24	204,417.15	11,073.91	42.00	39.72
1,115.89	19,210.72	20,160.18	949.46	47.50	45.26
9,675.43	169,166.92	178,468.27	9,301.35	48.50	45.97
1,438.25	25,283.31	27,896.59	2,613.28	51.00	46.23
1,009.67	16,755.57	17,088.74	333.17	44.50	43.63
256.62	4,050.13	4,122.56	72.43	42.25	41.50
6,016.71	85,765.70	86,954.44	1,188.74	38.00	37.48

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Grimsby	2,108.6	11,390.6	78,767.95	10,543.00	5,271.50
Guelph	25,669.8	125,230.4	782,478.62	128,349.00	64,174.50
Hagersville	1,671.4	6,784.7	60,053.66	8,357.00	4,178.50
Hamilton	254,630.7	1,535,718.4	8,408,472.07	1,273,153.50	636,576.75
Hanover	3,025.3	12,753.1	105,446.90	.....	7,563.25
Harrison	1,026.5	5,019.6	37,766.03	5,132.50	2,566.25
Harrow	1,042.8	4,811.2	39,732.47	5,214.00	2,607.00
Hastings	350.6	1,622.4	12,838.62	.....	876.50
Havelock	374.7	1,745.2	14,521.40	.....	936.75
Hawkesbury	2,250.4	11,522.9	70,931.32	.....	5,626.00
Hensall	654.7	2,837.6	24,689.19	3,273.50	1,636.75
Hespeler	5,328.5	23,675.5	167,372.27	26,642.50	13,321.25
Highgate	170.9	574.1	6,844.47	854.50	427.25
Holstein	82.1	346.6	3,354.16	.....	205.25
Huntsville	2,287.3	12,176.0	101,430.48	.....	5,718.25
Ingersoll	4,525.0	21,540.0	154,929.07	22,625.00	11,312.50
Iroquois	620.2	3,362.5	25,599.23	.....	1,550.50
Jarvis	286.2	1,309.0	11,125.41	1,431.00	715.50
Kemptville	1,202.7	5,509.1	45,385.39	.....	3,006.75
Kincardine	1,601.9	8,535.6	74,259.76	.....	4,004.75
Kingston	32,134.8	176,201.9	1,020,974.00	.....	80,337.00
Kingsville	1,397.3	6,909.7	48,598.74	6,986.50	3,493.25
Kirkfield	68.7	266.0	3,184.59	.....	171.75
Kitchener	52,790.5	271,639.4	1,477,330.50	263,952.50	131,976.25
Lakefield	958.9	4,557.6	31,301.54	.....	2,397.25
Lambeth	683.2	2,979.6	24,552.81	3,416.00	1,708.00
Lanark	266.0	1,168.4	9,701.81	.....	665.00
Lancaster	194.7	922.2	7,300.15	.....	486.75
La Salle	990.6	4,745.2	36,268.81	4,953.00	2,476.50
Leamington	4,431.5	23,176.8	161,989.84	22,157.50	11,078.75
Lindsay	6,300.8	35,748.4	230,260.30	.....	15,752.00
Listowel	2,494.8	11,382.9	86,488.78	12,474.00	6,237.00
London	56,312.7	332,341.6	1,833,309.48	281,563.50	140,781.75
London Twp.	1,370.5	5,925.6	45,948.67	6,852.50	3,426.25
Long Branch	5,695.0	29,521.7	194,573.69	28,475.00	14,237.50
L'Orignal	243.8	1,082.0	9,373.77	.....	609.50
Lucan	463.3	2,116.8	18,791.53	2,316.50	1,158.25
Lucknow	472.3	2,233.6	21,612.51	.....	1,180.75
Lynden	226.8	963.2	8,177.03	1,134.00	567.00
Madoc	678.4	3,261.0	26,549.47	.....	1,696.00

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
5,544.22	89,038.23	97,522.76	8,484.53	46.25	42.23
67,494.56	907,507.56	969,036.21	61,528.65	37.75	35.35
4,394.67	68,194.49	69,363.45	1,168.96	41.50	40.80
669,509.92	9,648,692.40	9,866,940.27	218,247.87	38.75	37.89
7,954.53	105,055.62	107,398.16	2,342.54	35.50	34.72
2,699.01	42,765.77	44,397.22	1,631.45	43.25	41.66
2,741.87	44,811.60	46,144.67	1,333.07	44.25	42.97
921.85	12,793.27	14,986.38	2,193.11	42.75	36.49
985.21	14,472.94	16,297.28	1,824.34	43.50	38.63
5,917.06	70,640.26	75,389.79	4,749.53	33.50	31.39
1,721.43	27,878.01	28,804.97	926.96	44.00	42.58
14,010.42	193,325.60	203,816.07	10,490.47	38.25	36.28
449.35	7,676.87	8,075.04	398.17	47.25	44.92
215.87	3,343.54	3,427.33	83.79	41.75	40.72
6,014.08	101,134.65	103,501.06	2,366.41	45.25	44.22
11,897.75	176,968.82	184,394.09	7,425.27	40.75	39.11
1,630.71	25,519.02	27,752.84	2,233.82	44.75	41.15
752.52	12,519.39	13,092.52	573.13	45.75	43.74
3,162.30	45,229.84	48,710.72	3,480.88	40.50	37.61
4,211.93	74,052.58	75,688.60	1,636.02	47.25	46.23
84,493.22	1,016,817.78	1,092,582.04	75,764.26	34.00	31.64
3,673.97	55,404.52	57,290.00	1,885.48	41.00	39.65
180.64	3,175.70	3,089.65	86.05	45.00	46.23
138,804.02	1,734,455.23	1,847,668.67	113,213.44	35.00	32.86
2,521.27	31,177.52	34,521.30	3,343.78	36.00	32.51
1,796.36	27,880.45	28,693.35	812.90	42.00	40.81
699.40	9,667.41	10,772.31	1,104.90	40.50	36.34
511.93	7,274.97	7,739.98	465.01	39.75	37.37
2,604.62	41,093.69	42,595.46	1,501.77	43.00	41.48
11,651.91	183,574.18	190,555.95	6,981.77	43.00	41.42
16,566.93	229,445.37	244,155.03	14,709.66	38.75	36.42
6,559.67	98,640.11	102,911.53	4,271.42	41.25	39.54
148,065.07	2,107,589.66	2,182,115.19	74,525.53	38.75	37.43
3,603.51	52,623.91	54,476.71	1,852.80	39.75	38.40
14,974.07	222,312.12	229,222.07	6,909.95	40.25	39.04
641.03	9,342.24	9,567.85	225.61	39.25	38.32
1,218.17	21,048.11	23,165.82	2,117.71	50.00	45.43
1,241.84	21,551.42	21,251.27	300.15	45.00	45.63
596.33	9,281.70	9,751.32	469.62	43.00	40.92
1,783.74	26,461.73	28,321.13	1,859.40	41.75	39.01

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Magnetawan.....	66.3	284.4	3,073.38	.....	165.75
Markdale.....	508.7	2,304.4	21,088.00	.....	1,271.75
Markham.....	1,693.2	8,196.0	64,452.91	8,466.00	4,233.00
Marmora.....	559.7	2,736.7	23,301.88	.....	1,399.25
Martintown.....	133.8	478.6	4,529.53	.....	334.50
Maxville.....	349.8	1,406.8	14,022.89	.....	874.50
Meaford.....	1,993.9	10,256.6	84,991.91	.....	4,984.75
Merlin.....	232.7	1,024.0	8,749.72	1,163.50	581.75
Merrickville.....	365.0	1,725.8	13,452.63	.....	912.50
Merritton.....	15,060.3	85,995.5	497,009.00	75,301.50	37,650.75
Midland.....	5,680.4	27,598.2	196,654.14	.....	14,201.00
Mildmay.....	384.3	1,647.8	14,765.39	.....	960.75
Millbrook.....	327.2	1,496.2	12,966.97	.....	818.00
Milton.....	3,625.7	17,776.2	131,291.60	18,128.50	9,064.25
Milverton.....	768.7	2,896.0	29,316.26	3,843.50	1,921.75
Mimico.....	6,655.8	36,132.4	218,508.29	33,279.00	16,639.50
Mitchell.....	1,373.5	6,730.7	47,503.74	6,867.50	3,433.75
Moorefield.....	164.7	665.2	5,861.36	823.50	411.75
Morrisburg.....	1,021.7	5,703.6	40,742.00	.....	2,554.25
Mount Brydges.....	280.3	1,158.0	10,112.36	1,401.50	700.75
Mount Forest.....	1,418.7	6,283.2	55,143.08	.....	3,546.75
Napanee.....	2,845.2	14,303.7	111,511.43	.....	7,113.00
Neustadt.....	239.8	913.4	8,700.66	.....	599.50
Newboro.....	74.4	291.2	2,540.09	.....	186.00
Newburgh.....	207.3	846.0	7,734.77	.....	518.25
Newbury.....	93.9	360.3	3,883.26	469.50	234.75
Newcastle.....	701.8	3,334.2	23,602.92	.....	1,754.50
New Hamburg.....	1,100.7	5,027.9	39,223.14	5,503.50	2,751.75
Newmarket.....	4,630.8	23,327.4	155,198.50	23,154.00	11,577.00
New Toronto.....	18,275.1	91,497.6	593,861.79	91,375.50	45,687.75
Niagara.....	1,587.3	8,509.1	57,633.92	7,936.50	3,968.25
Niagara Falls.....	15,546.0	84,067.3	499,931.59	77,730.00	38,865.00
North York Twp.....	105,392.1	589,138.6	3,472,993.36	526,960.50	263,480.25
Norwich.....	857.5	3,949.7	32,957.27	4,287.50	2,143.75
Norwood.....	421.7	2,074.4	17,469.76	.....	1,054.25
Oakville.....	7,897.5	40,748.0	261,103.20	39,487.50	19,743.75
Oil Springs.....	195.9	1,152.5	8,100.59	979.50	489.75
Omeme.....	338.3	1,563.2	13,217.90	.....	845.75
Orangeville.....	2,253.2	10,958.2	96,427.72	.....	5,633.00
Orillia.....	3,937.4	12,679.4	142,881.30	.....	9,843.50

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
174.33	3,064.80	3,380.04	315.24	51.00	46.23
1,337.54	21,022.21	21,109.33	87.12	41.50	41.32
4,451.90	72,699.92	74,502.63	1,802.71	44.00	42.94
1,471.64	23,229.49	25,746.20	2,516.71	46.00	41.50
351.81	4,512.22	4,916.54	404.32	36.75	33.72
919.74	13,977.65	14,951.82	974.17	42.75	39.96
5,242.64	84,734.02	83,744.50	989.52	42.00	42.50
611.85	9,883.12	10,647.61	764.49	45.75	42.47
959.71	13,405.42	12,956.91	448.51	35.50	36.73
39,598.60	570,362.65	583,587.60	13,224.95	38.75	37.87
14,935.69	195,919.45	203,074.59	7,155.14	35.75	34.49
1,010.45	14,715.69	15,180.83	465.14	39.50	38.29
860.32	12,924.65	14,069.24	1,144.59	43.00	39.50
9,533.19	148,951.16	153,186.19	4,235.03	42.25	41.08
2,021.17	33,060.34	34,014.61	954.27	44.25	43.01
17,500.34	250,926.45	254,585.65	3,659.20	38.25	37.70
3,611.39	54,193.60	56,998.19	2,804.59	41.50	39.46
433.05	6,663.56	6,917.05	253.49	42.00	40.46
2,686.39	40,609.86	44,954.07	4,344.21	44.00	39.75
737.00	11,477.61	11,983.92	506.31	42.75	40.95
3,730.24	54,959.59	56,038.99	1,079.40	39.50	38.74
7,480.99	111,143.44	117,365.56	6,222.12	41.25	39.06
630.52	8,669.64	8,993.46	323.82	37.50	36.15
195.62	2,530.47	2,714.38	183.91	36.50	34.01
545.06	7,707.96	8,345.50	637.54	40.25	37.18
246.89	4,340.62	4,720.18	379.56	50.25	46.23
1,845.27	23,512.15	25,088.45	1,576.30	35.75	33.50
2,894.11	44,584.28	45,402.38	818.10	41.25	40.51
12,175.93	177,753.57	182,915.28	5,161.71	39.50	38.38
48,051.40	682,873.64	721,867.75	38,994.11	39.50	37.37
4,173.55	65,365.12	63,491.33	1,873.79	40.00	41.18
40,875.67	575,650.92	602,406.53	26,755.61	38.75	37.03
277,111.35	3,986,322.76	4,110,290.95	123,968.19	39.00	37.82
2,254.66	37,133.86	36,870.71	263.15	43.00	43.30
1,108.79	17,415.22	19,082.69	1,667.47	45.25	41.30
20,765.19	299,569.26	309,976.56	10,407.30	39.25	37.93
515.09	9,054.75	9,990.09	935.34	51.00	46.23
889.50	13,174.15	14,206.50	1,032.35	42.00	38.94
5,924.42	96,136.30	100,831.83	4,695.53	44.75	42.67
10,352.75	142,372.05	146,655.23	4,283.18	37.25	36.16

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standardization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Orono.....	356.0	1,532.4	12,596.83	.....	890.00
Oshawa.....	49,804.2	265,538.3	1,588,480.20	.....	124,510.50
Ottawa.....	117,753.6	596,704.8	3,653,863.64	.....	294,384.00
Otterville.....	305.4	1,357.6	11,112.19	1,527.00	763.50
Owen Sound.....	10,306.7	50,613.0	358,477.90	.....	25,766.75
Paisley.....	378.8	1,710.1	14,283.57	.....	947.00
Palmerston.....	963.5	4,827.6	34,092.95	4,817.50	2,408.75
Paris.....	3,220.4	14,963.6	102,357.60	16,102.00	8,051.00
Parkhill.....	590.5	2,660.0	23,570.03	2,952.50	1,476.25
Parry Sound.....	1,303.2	6,369.2	55,661.37	.....	3,258.00
Penetanguishene.....	2,031.3	10,242.7	70,508.20	.....	5,078.25
Perth.....	3,210.5	14,045.2	112,162.62	.....	8,026.25
Peterborough.....	32,018.1	177,420.1	1,049,391.59	.....	80,045.25
Petrolia.....	1,309.2	6,821.3	53,905.38	6,546.00	3,273.00
Petrolia (Waterworks).....	129.8	642.8	4,916.00	649.00	324.50
Picton.....	3,137.2	15,185.6	109,442.74	.....	7,843.00
Plattsville.....	490.4	1,870.4	17,441.53	2,452.00	1,226.00
Point Edward.....	3,184.9	12,314.0	100,511.46	15,924.50	7,962.25
Port Burwell.....	187.8	816.0	7,518.49	939.00	469.50
Port Colborne.....	4,933.2	27,706.0	170,999.94	24,666.00	12,333.00
Port Credit.....	6,005.1	37,624.0	222,102.50	30,025.50	15,012.75
Port Dalhousie.....	1,328.6	8,073.6	49,798.60	6,643.00	3,321.50
Port Dover.....	1,572.5	8,222.4	57,004.05	7,862.50	3,931.25
Port Elgin.....	1,030.3	4,773.6	46,154.96	.....	2,575.75
Port Hope.....	6,466.2	35,043.6	243,981.28	.....	16,165.50
Port McNicoll.....	998.4	2,797.4	33,650.06	.....	2,496.00
Port Perry.....	965.3	4,492.8	39,611.76	.....	2,413.25
Port Rowan.....	218.1	946.3	8,878.31	1,090.50	545.25
Port Stanley.....	993.1	4,870.4	39,475.91	4,965.50	2,482.75
Prescott.....	2,837.1	13,468.6	101,818.84	.....	7,092.75
Preston.....	7,521.3	35,303.1	236,797.00	37,606.50	18,803.25
Priceville.....	39.7	151.3	1,744.27	.....	99.25
Princeton.....	201.3	861.2	7,785.08	1,006.50	503.25
Queenston.....	264.0	1,424.4	9,302.29	1,320.00	660.00
Renfrew.....	2,971.6	11,667.1	100,602.43	.....	7,429.00
Richmond.....	324.8	1,478.8	10,816.78	.....	812.00
Richmond Hill.....	5,335.1	25,895.2	195,550.17	26,675.50	13,337.75
Ridgetown.....	1,045.7	4,765.7	41,670.35	5,228.50	2,614.25
Ripley.....	239.5	1,065.6	10,821.84	.....	598.75
Riverside.....	4,649.4	22,364.8	163,555.38	23,247.00	11,623.50
Rockland.....	662.7	2,964.2	22,276.87	.....	1,656.75

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
936.04	12,550.79	13,528.63	977.84	38.00	35.26
130,952.03	1,582,038.67	1,705,792.98	123,754.31	34.25	31.77
309,613.91	3,638,633.73	3,768,116.26	129,482.53	32.00	30.90
803.00	12,599.69	13,210.35	610.66	43.25	41.26
27,099.79	357,144.86	371,040.30	13,895.44	36.00	34.65
995.99	14,234.58	14,771.92	537.34	39.00	37.58
2,533.37	38,785.83	40,224.73	1,438.90	41.75	40.26
8,467.52	118,043.08	124,789.85	6,746.77	38.75	36.65
1,552.62	26,446.16	27,163.76	717.60	46.00	44.79
3,426.55	55,492.82	56,035.47	542.65	43.00	42.58
5,340.97	70,245.48	73,128.00	2,882.52	36.00	34.58
8,441.49	111,747.38	121,196.37	9,448.99	37.75	34.81
84,186.38	1,045,250.46	1,112,629.84	67,379.38	34.75	32.65
3,442.33	60,282.05	62,185.82	1,903.77	47.50	46.04
341.29	5,548.21	6,164.32	616.11	47.50	42.74
8,248.76	109,036.98	118,430.25	9,393.27	37.75	34.76
1,289.43	19,830.10	21,209.80	1,379.70	43.25	40.44
8,374.18	116,024.03	126,599.44	10,575.41	39.75	36.43
493.79	8,433.20	9,249.96	816.76	49.25	44.90
12,971.05	195,027.89	202,262.92	7,235.03	41.00	39.53
15,789.43	251,351.32	255,216.76	3,865.44	42.50	41.86
3,493.34	56,269.76	56,463.38	193.62	42.50	42.35
4,134.63	64,663.17	69,977.35	5,314.18	44.50	41.12
2,709.01	46,021.70	46,619.58	597.88	45.25	44.67
17,001.82	243,144.96	268,347.31	25,202.35	41.50	37.60
2,625.13	33,520.93	34,445.97	925.04	34.50	33.57
2,538.10	39,486.91	40,543.65	1,056.74	42.00	40.91
573.46	9,940.60	10,579.89	639.29	48.50	45.58
2,611.19	44,312.97	44,936.65	623.68	45.25	44.62
7,459.69	101,451.90	107,809.78	6,357.88	38.00	35.76
19,776.03	273,430.72	276,406.56	2,975.84	36.75	36.35
104.38	1,739.14	1,715.21	23.93	43.25	43.81
529.29	8,765.54	9,359.30	593.76	46.50	43.54
694.14	10,588.15	10,824.00	235.85	41.00	40.11
7,813.34	100,218.09	112,919.85	12,701.76	38.00	33.73
854.01	10,774.77	11,366.54	591.77	35.00	33.17
14,027.78	221,535.64	230,743.81	9,208.17	43.25	41.52
2,749.50	46,763.60	50,455.02	3,691.42	48.25	44.72
629.73	10,790.86	10,836.22	45.36	45.25	45.06
12,224.84	186,201.04	191,786.73	5,585.69	41.25	40.05
1,742.46	22,191.16	23,692.12	1,500.96	35.75	33.49

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Rockwood.....	331.4	1,521.2	13,417.05	1,657.00	828.50
Rodney.....	374.5	1,670.5	15,485.89	1,872.50	936.25
Rosseau.....	66.3	292.5	2,805.41	.....	165.75
Russell.....	209.0	929.9	7,006.44	.....	522.50
St. Catharines.....	39,716.4	197,606.5	1,235,052.21	198,582.00	99,291.00
St. Clair Beach.....	460.4	2,193.0	16,378.68	2,302.00	1,151.00
St. George.....	340.6	1,697.4	12,784.42	1,703.00	851.50
St. Jacobs.....	412.1	1,635.5	16,006.71	2,060.50	1,030.25
St. Mary's.....	2,680.9	13,557.1	80,595.43	13,404.50	6,702.25
St. Thomas.....	11,875.7	66,975.6	377,209.72	59,378.50	29,689.25
Sandwich East Twp.....	5,073.8	25,136.6	175,273.07	25,369.00	12,684.50
Sandwich West Twp.....	7,244.4	34,034.6	250,304.38	36,222.00	18,111.00
Sarnia.....	33,250.0	219,712.7	1,151,035.86	166,250.00	83,125.00
Scarborough Twp.....	88,514.1	470,166.9	2,880,879.05	442,570.50	221,285.25
Seaforth.....	1,395.4	6,264.6	38,061.46	6,977.00	3,488.50
Shelburne.....	749.6	3,168.8	34,654.12	.....	1,874.00
Simcoe.....	5,417.5	26,735.3	174,260.01	27,087.50	13,543.75
Smith's Falls.....	6,013.5	28,034.9	187,973.89	.....	15,033.75
Smithville.....	460.1	1,858.5	16,738.97	2,300.50	1,150.25
Southampton.....	910.9	4,542.1	41,199.73	.....	2,277.25
Springfield.....	198.9	809.5	6,657.63	994.50	497.25
Stamford Twp.....	13,075.8	68,274.4	420,340.35	65,379.00	32,689.50
Stayner.....	788.8	3,568.8	32,999.58	.....	1,972.00
Stirling.....	677.7	3,103.0	22,273.39	.....	1,694.25
Stoney Creek.....	2,661.8	13,797.9	93,610.28	13,309.00	6,654.50
Stouffville.....	1,388.8	6,228.0	51,973.86	6,944.00	3,472.00
Stratford.....	13,417.9	70,257.7	413,870.94	67,089.50	33,544.75
Strathroy.....	2,835.1	14,557.1	90,603.51	14,175.50	7,087.75
Streetsville.....	1,996.0	10,257.3	74,678.17	9,980.00	4,990.00
Sunderland.....	301.8	1,254.1	13,064.06	.....	754.50
Sundridge.....	225.1	1,071.3	10,432.78	.....	562.75
Sutton.....	817.7	3,889.9	33,786.27	4,088.50	2,044.25
Swansea.....	4,784.7	28,105.5	161,449.16	23,923.50	11,961.75
Tara.....	231.2	989.6	10,329.83	.....	578.00
Tavistock.....	721.5	3,345.4	26,512.82	3,607.50	1,803.75
Tecumseh.....	1,059.9	5,098.4	37,787.95	5,299.50	2,649.75
Teeswater.....	437.0	2,160.0	19,005.02	.....	1,092.50
Thamesford.....	439.0	1,929.4	18,157.74	2,195.00	1,097.50
Thamesville.....	588.8	2,217.4	23,088.54	2,944.00	1,472.00
Thedford.....	293.4	1,458.7	12,134.04	1,467.00	733.50

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
871.36	15,031.19	15,329.18	297.99	46.25	45.36
984.69	17,309.95	19,100.79	1,790.84	51.00	46.23
174.33	2,796.83	2,801.18	4.35	42.25	42.18
549.53	6,979.41	7,418.91	439.50	35.50	33.39
104,427.80	1,428,497.41	1,489,364.38	60,866.97	37.50	35.97
1,210.55	18,621.13	18,874.33	253.20	41.00	40.44
895.55	14,443.37	14,813.94	370.57	43.50	42.41
1,083.55	18,013.91	18,338.08	324.17	44.50	43.71
7,048.99	93,653.19	97,182.33	3,529.14	36.25	34.93
31,225.22	435,052.25	457,213.82	22,161.57	38.50	36.63
13,340.73	199,985.84	215,634.73	15,648.89	42.50	39.41
19,047.97	285,589.41	307,885.96	22,296.55	42.50	39.42
87,425.46	1,312,985.40	1,363,249.33	50,263.93	41.00	39.49
232,733.40	3,312,001.40	3,474,176.79	162,175.39	39.25	37.42
3,668.98	44,857.98	47,791.03	2,933.05	34.25	32.15
1,970.95	34,557.17	34,854.09	296.92	46.50	46.10
14,244.43	200,646.83	208,575.04	7,928.21	38.50	37.04
15,811.52	187,196.12	201,451.71	14,255.59	33.50	31.13
1,209.76	18,979.96	21,740.89	2,760.93	47.25	41.25
2,395.06	41,081.92	41,446.32	364.40	45.50	45.10
522.98	7,626.40	8,850.31	1,223.91	44.50	38.34
34,380.68	484,028.17	496,881.67	12,853.50	38.00	37.02
2,074.02	32,897.56	32,932.39	34.83	41.75	41.71
1,781.90	22,185.74	23,550.07	1,364.33	34.75	32.74
6,998.77	106,575.01	111,128.07	4,553.06	41.75	40.04
3,651.62	58,738.24	61,452.20	2,713.96	44.25	42.29
35,280.18	479,225.01	503,170.02	23,945.01	37.50	35.72
7,454.43	104,412.33	108,440.99	4,028.66	38.25	36.83
5,248.16	84,400.01	83,830.60	569.41	42.00	42.28
793.53	13,025.03	13,277.73	252.70	44.00	43.16
591.86	10,403.67	11,477.58	1,073.91	51.00	46.23
2,150.01	37,769.01	39,249.60	1,480.59	48.00	46.19
12,580.59	184,753.82	190,191.16	5,437.34	39.75	38.61
607.90	10,299.93	9,997.24	302.69	43.25	44.55
1,897.07	30,027.00	30,842.01	815.01	42.75	41.62
2,786.83	42,950.37	45,308.95	2,358.58	42.75	40.52
1,149.02	18,948.50	18,899.17	49.33	43.25	43.36
1,154.28	20,295.96	20,852.11	556.15	47.50	46.23
1,548.15	25,956.39	26,937.99	981.60	45.75	44.08
771.45	13,563.09	14,374.96	811.87	49.00	46.23

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standard- ization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Thornbury	527.1	2,471.2	22,140.34	.....	1,317.75
Thorndale	193.6	764.4	7,086.32	968.00	484.00
Thornton	103.2	386.4	3,785.20	.....	258.00
Thorold	9,759.6	59,005.6	326,223.10	48,798.00	24,399.00
Tilbury	1,248.5	5,455.1	50,544.86	6,242.50	3,121.25
Tillsonburg	3,723.3	18,037.2	113,572.46	18,616.50	9,308.25
Toronto	520,942.1	3,052,679.0	16,859,913.27	2,604,710.50	1,302,355.25
Toronto Twp.	37,653.0	247,106.8	1,338,851.13	188,265.00	94,132.50
Tottenham	301.0	1,455.0	12,796.35	.....	752.50
Trafalgar Twp.	6,819.8	35,457.0	241,891.33	34,099.00	17,049.50
Trenton	13,296.8	77,439.4	429,480.20	.....	33,242.00
Tweed	817.9	3,799.8	28,409.27	.....	2,044.75
Uxbridge	1,190.7	5,642.4	49,730.52	.....	2,976.75
Vankleek Hill	401.8	1,793.3	15,354.91	.....	1,004.50
Victoria Harbour ..	244.9	1,094.4	10,227.77	.....	612.25
Walkerton	2,138.1	9,352.0	80,200.38	.....	5,345.25
Wallaceburg	7,281.1	38,910.8	239,733.98	36,405.50	18,202.75
Wardsville	119.5	509.4	4,942.67	597.50	298.75
Warkworth	205.5	797.6	7,077.04	.....	513.75
Wasaga Beach	617.3	2,058.7	24,515.86	.....	1,543.25
Waterdown	854.7	4,147.2	29,098.55	4,273.50	2,136.75
Waterford	762.9	3,363.6	27,872.35	3,814.50	1,907.25
Waterloo	12,864.5	64,871.1	357,658.02	64,322.50	32,161.25
Watford	871.9	3,608.4	33,132.19	4,359.50	2,179.75
Waubashene	253.5	1,060.8	10,315.48	.....	633.75
Welland	12,748.8	64,143.5	401,062.95	63,744.00	31,872.00
Wellesley	339.2	1,344.0	12,099.73	1,696.00	848.00
Wellington	515.6	2,242.4	20,016.09	.....	1,289.00
West Lorne	824.6	3,413.6	34,104.49	4,123.00	2,061.50
Weston	7,615.5	39,836.1	248,363.86	38,077.50	19,038.75
Westport	285.5	1,254.0	10,096.08	.....	713.75
Wheatley	636.7	2,835.3	25,243.73	3,183.50	1,591.75
Whitby	7,533.5	39,970.1	240,959.06	.....	18,833.75
Warton	928.3	4,861.6	40,661.64	.....	2,320.75
Williamsburg	177.5	816.0	7,669.38	.....	443.75
Winchester	921.4	4,278.6	36,715.80	.....	2,303.50
Windermere	97.1	421.8	3,823.17	.....	242.75
Windsor	74,631.1	377,176.3	2,351,781.72	373,155.50	186,577.75
Wingham	1,591.0	8,452.3	66,382.31	.....	3,977.50
Woodbridge	1,881.5	10,087.1	68,913.03	9,407.50	4,703.75

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
1,385.92	22,072.17	22,004.33	67.84	41.75	41.87
509.04	8,029.28	8,225.87	196.59	42.50	41.47
271.34	3,771.86	3,871.26	99.40	37.50	36.55
25,661.28	373,758.82	387,944.44	14,185.62	39.75	38.30
3,282.73	56,625.88	59,615.09	2,989.21	47.75	45.36
9,789.81	131,707.40	136,830.36	5,122.96	36.75	35.37
1,369,732.37	19,397,246.65	19,926,034.70	528,788.05	38.25	37.23
99,002.43	1,522,246.20	1,543,774.03	21,527.83	41.00	40.43
791.43	12,757.42	13,093.51	336.09	43.50	42.38
17,931.55	275,108.28	286,430.55	11,322.27	42.00	40.34
34,961.77	427,760.43	425,498.94	2,261.49	32.00	32.17
2,150.53	28,303.49	29,854.57	1,551.08	36.50	34.61
3,130.75	49,576.52	50,305.65	729.13	42.25	41.64
1,056.47	15,302.94	15,871.42	568.48	39.50	38.09
643.92	10,196.10	10,163.33	32.77	41.50	41.63
5,621.79	79,923.84	80,712.66	788.82	37.75	37.38
19,144.47	275,197.76	293,065.28	17,867.52	40.25	37.80
314.21	5,524.71	6,006.12	481.41	50.25	46.23
540.33	7,050.46	8,118.91	1,068.45	39.50	34.31
1,623.09	24,436.02	25,926.60	1,490.58	42.00	39.58
2,247.29	33,261.51	34,826.95	1,565.44	40.75	38.92
2,005.92	31,588.18	32,805.42	1,217.24	43.00	41.41
33,825.11	420,316.66	447,041.94	26,725.28	34.75	32.67
2,292.52	37,378.92	39,016.77	1,637.85	44.75	42.87
666.54	10,282.69	10,393.84	111.15	41.00	40.56
33,520.89	463,158.06	490,826.88	27,668.82	38.50	36.33
891.87	13,751.86	14,244.65	492.79	42.00	40.54
1,355.69	19,949.40	21,138.95	1,189.55	41.00	38.69
2,168.15	38,120.84	41,849.30	3,728.46	50.75	46.23
20,023.72	285,456.39	300,813.24	15,356.85	39.50	37.48
750.68	10,059.15	10,775.74	716.59	37.75	35.23
1,674.10	28,344.88	29,446.19	1,101.31	46.25	44.52
19,808.11	239,984.70	259,906.35	19,921.65	34.50	31.86
2,440.81	40,541.58	41,308.97	767.39	44.50	43.67
466.71	7,646.42	8,166.17	519.75	46.00	43.08
2,422.67	36,596.63	38,929.84	2,333.21	42.25	39.72
255.31	3,810.61	3,812.46	1.85	39.25	39.24
196,230.31	2,715,284.66	2,891,956.73	176,672.07	38.75	36.38
4,183.28	66,176.53	67,616.09	1,439.56	42.50	41.59
4,947.10	78,077.18	80,902.73	2,825.55	43.00	41.50

SOUTHERN ONTARIO

STATEMENT OF THE

for the Year

Municipality	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Frequency standardization interest and portion of cost written off (Note 2)	Provision for stabilization of rates and contingencies (Note 3)
	Average of monthly peak loads corrected for power factor	Energy			
	kw	'000 kwh	\$	\$	\$
Woodstock	14,995.6	79,655.9	474,360.97	74,978.00	37,489.00
Woodville	179.2	701.6	8,307.43	.....	448.00
Wyoming	320.1	1,257.0	12,517.90	1,600.50	800.25
York Twp.	50,057.5	297,986.5	1,643,605.30	250,287.50	125,143.75
Zurich	310.9	1,257.6	12,418.14	1,554.50	777.25
St. Lawrence Project—Customers	415.4	2,263.0	15,329.16	.....	1,038.50
Total—Municipalities	2,378,827.6	13,072,267.9	78,342,443.43	9,653,809.50	5,947,069.00
Total—Rural Power District	397,317.1	1,975,429.2	14,569,559.97	1,226,943.50	993,292.75
Total—Companies	668,347.4	8,624,268.9	25,715,978.72	5,016,497.72	1,670,868.50
Total—Local distribution systems ..	1,016.6	4,228.9	88,941.62	451.00	2,541.50
GRAND TOTAL	3,445,508.7	23,676,194.9	118,716,923.74	15,897,701.72	8,613,771.75

Notes on Cost of Power Statement

SOUTHERN ONTARIO SYSTEM

1. The total of \$118,716,923.74 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased	\$ 12,908,943
Interchange of power with Northern Ontario Properties	2,670,073
Operation, maintenance and administrative expenses	43,111,793
Interest	40,167,758
Depreciation	9,915,359
Sinking fund provision	11,590,960
Credit resulting from matured sinking fund	307,816
Provision for nuclear research	4,000,000
	<u>\$118,716,924</u>

The method used in 1956 of allocating the cost of power supplied to each customer was followed in 1957 with the exception of power supply costs which were allocated in 1957 on the basis of 50 per cent with reference to the quantity of energy supplied and 50 per cent with reference to average monthly peak loads. In 1956 these costs were allocated on the basis of 35 and 65 per cent respectively.

Interchange of power between the Southern Ontario System and the Northern Ontario Properties shown in the statement of operations as a deduction amounting to \$2,670,073 represents the cost of 761,023,000 kilowatt-hours of energy transferred to the Northern Ontario Properties less the cost of 1,139,000 kilowatt-hours of energy transferred to the Southern Ontario System. In 1957 the cost was determined by allocating 50 per cent on the basis of energy and 50 per cent on an equivalent peak load, while in 1956 the cost was determined on the basis of energy only. The kilowatt-hours transferred are not included in the cost of power statement in the total of energy supplied during the year—23,676,194,900 kilowatt-hours.

The credit of \$307,816 resulting from matured sinking fund consists of a principal amount of \$64,147 and interest at 4 per cent amounting to \$243,669.

The provision for nuclear research, \$4,000,000, was included in power supply costs and allocated to all customers on the basis of 50 per cent on the quantity of energy supplied and 50 per cent on average monthly peak loads.

SYSTEM

COST OF POWER

Ended December 31, 1957

Operation of direct customers' accounts (Note 4)	Total cost of power and energy after reduction resulting from matured sinking fund	Amount billed (municipalities at interim rates)	Balance credited or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
39,428.49	547,399.48	569,832.15	22,432.67	38.00	36.50
471.18	8,284.25	8,465.25	181.00	47.25	46.23
841.65	14,077.00	14,484.92	407.92	45.25	43.98
131,618.04	1,887,418.51	1,927,214.38	39,795.87	38.50	37.70
817.46	13,932.43	14,377.60	445.17	46.25	44.81
.....	16,367.66	36,207.36	19,839.70	.....	39.40
6,253,647.22	87,689,674.71	91,117,169.87	3,427,495.16	.....	.....
1,044,680.56	15,745,115.66	15,745,115.66	.....	.....	.....
7,301,543.55	39,704,888.49	39,704,888.49	.....	.....	.....
3,215.77	88,718.35	88,718.35	.....	.....	.....
.....	143,228,397.21	146,655,892.37	3,427,495.16	.....	.....

2. Frequency standardization interest and portion of cost written off are as follows:

Interest.....	\$ 6,484,900.31
Portion of cost written off.....	9,412,801.41
	<u>\$15,897,701.72</u>

This represents a charge to all customers in the Niagara Division (except certain companies which will not be standardized at 60 cycles) at the rate of \$5 per kilowatt on the average monthly peak load supplied amounting to \$11,817,547.00 plus an amount equal to the revenue from the export of 60-cycle surplus energy amounting to \$4,080,154.72. The latter amount is included in the \$5,016,497.72 shown as charged to companies.

3. The provision for stabilization of rates and contingencies amounting to \$8,613,771.75 consists of a charge of \$2.50 per kilowatt on the average monthly peak load supplied to all customers.

4. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. It does not include surplus or secondary power which is sold on a kilowatt-hour basis for export outside the Province and to customers in Ontario. These surplus kilowatt-hours are, however, included in the total energy supplied to companies, and the net revenue represented by this energy was as follows:

	60-cycle surplus energy exported	Other surplus energy	Total
Revenue less export tax.....	\$ 4,392,870.04	\$ 8,446,265.47	\$12,839,135.51
Less costs related thereto.....	312,715.32	736,590.74	1,049,306.06
Net revenue.....	<u>\$ 4,080,154.72</u>	<u>\$ 7,709,674.73</u>	<u>\$11,789,829.45</u>

The net revenue from the sale of 60-cycle surplus energy exported of \$4,080,154.72 is applied against the cost of "Frequency standardization interest and portion of cost written off", (see Note 2). The net revenue from the sale of other surplus energy of \$7,709,674.73, like that from the sale of 60-cycle surplus energy exported, has been included in the amount billed to companies and, in consequence, the profit of \$7,301,543.55 is after taking such revenue into account.

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1957

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Acton.....	284,204.82	25,957.48	.....	310,162.30	1,686.60	67.46	17.76
Ailsa Craig	43,949.29	2,908.22	.....	46,857.51	201.33	8.05	2.12
Ajax.....	12,152.30	18,344.64	.....	30,496.94	.....	.....	.....
Alexandria.....	100,710.48	9,880.70	.....	110,591.18	.....	.....	.....
Alfred.....	1,743.10	1,263.68	.....	3,006.78	.....	.....	.....
Alliston	96,496.52	10,240.57	.....	106,737.09	.....	.....	.....
Almonte	30,401.61	6,024.58	.....	36,426.19	.....	.....	.....
Alvinston.....	43,309.14	2,726.84	.....	46,035.98	.....	.....	.....
Amherstburg	219,961.35	21,612.79	.....	241,574.14	.....	.....	.....
Ancaster Twp.....	81,145.18	10,428.81	.....	91,573.99	.....	.....	.....
Apple Hill.....	10,152.15	724.77	.....	10,876.92	.....	.....	.....
Arkona.....	23,060.83	1,961.58	.....	25,022.41	.....	.....	.....
Arnprior.....	129,324.28	19,975.40	.....	149,299.68	.....	.....	.....
Arthur.....	61,219.01	5,003.54	.....	66,222.55	.....	.....	.....
Athens.....	24,556.67	2,281.27	.....	26,837.94	.....	.....	.....
Aurora.....	104,179.45	16,127.86	.....	120,307.31	.....	.....	.....
Aylmer.....	193,665.22	19,807.49	212.76	213,685.47	.....	.....	.....
Ayr.....	53,249.39	4,532.33	.....	57,781.72	439.70	17.59	4.63
Baden.....	96,238.62	6,024.85	.....	102,263.47	2,088.32	83.53	21.99
Bancroft.....	9,346.86	3,821.37	504.14	13,672.37	.....	.....	.....
Barrie.....	654,430.22	72,349.50	.....	726,779.72	27,518.52	1,100.74	289.77
Barry's Bay.....	5,694.84	1,427.41	.....	7,122.25	.....	.....	.....
Bath.....	11,147.76	1,559.58	.....	12,707.34	.....	.....	.....
Beachville.....	141,288.00	13,696.49	.....	154,984.49	2,119.65	84.79	22.32
Beamsville.....	54,598.22	7,488.29	.....	62,086.51	.....	.....	.....
Beaverton.....	68,533.80	6,885.84	.....	75,419.64	.....	.....	.....
Beeton.....	45,333.75	3,417.36	.....	48,751.11	.....	.....	.....
Belle River.....	45,149.38	4,267.68	.....	49,417.06	.....	.....	.....
Belleville.....	867,784.96	91,998.47	.....	959,783.43	.....	.....	.....
Blenheim.....	130,262.49	10,269.91	.....	140,532.40	830.96	33.24	8.75
Bloomfield.....	26,694.84	2,619.07	.....	29,313.91	.....	.....	.....
Blyth.....	39,382.67	3,803.98	.....	43,186.65	.....	.....	.....
Bobcaygeon.....	15,132.35	3,028.07	.....	18,160.42	.....	.....	.....
Bolton.....	58,204.12	5,352.50	31.57	63,588.19	869.90	34.80	9.16
Bothwell.....	50,045.88	3,513.29	.....	53,559.17	467.24	18.69	4.92
Bowmanville.....	331,251.86	33,418.46	142.34	364,812.66	.....	.....	.....
Bracebridge.....	781.15	718.57	.....	1,499.72	.....	.....	.....
Bradford.....	74,431.95	8,356.50	.....	82,788.45	.....	.....	.....
Braeside.....	11,030.94	1,756.21	.....	12,787.15	.....	.....	.....
Brampton.....	604,586.10	54,308.21	.....	658,894.31	69,786.32	2,791.45	734.85

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Brantford	3,465,083.36	287,662.99	373.09	3,753,119.44	27,524.22	1,100.97	289.83
Brantford Twp.....	20,130.68	16,402.24	47,820.14	84,353.06	.....	.....	.....
Brechin	19,803.46	1,323.97	.....	21,127.43	.....	.....	.....
Bridgeport	33,463.66	3,835.99	179.80	37,479.45	.....	.....	.....
Brigden	34,354.55	2,235.68	.....	36,590.23	.....	.....	.....
Brighton	63,689.19	7,229.20	.....	70,918.39	.....	.....	.....
Brockville.....	760,270.82	78,988.80	.....	839,259.62	.....	.....	.....
Bronte	12,501.70	3,761.58	.....	16,263.28	.....	.....	.....
Brussels.....	48,366.98	4,277.06	5.17	52,649.21	.....	.....	.....
Burford	51,582.89	4,655.25	48.93	56,287.07	360.87	14.43	3.80
Burgessville	17,532.04	1,354.40	.....	18,886.44	81.67	3.27	.86
Burk's Falls	8,244.48	2,128.52	.....	10,373.00	.....	.....	.....
Burlington	139,356.65	29,756.75	.....	169,113.40	.....	.....	.....
Caledonia	78,711.83	6,542.44	.....	85,254.27	567.90	22.72	5.98
Campbellville.....	10,885.72	951.37	.....	11,837.09	358.02	14.32	3.77
Cannington.....	52,448.64	4,672.18	.....	57,120.82	.....	.....	.....
Cardinal	40,935.32	5,188.31	.....	46,123.63	.....	.....	.....
Carleton Place.....	285,023.41	23,972.35	.....	308,995.76	.....	.....	.....
Casselman.....	5,943.36	2,441.67	.....	8,385.03	.....	.....	.....
Cayuga	35,203.33	2,798.36	.....	38,001.69	.....	.....	.....
Chalk River .....	.....	1,261.42	2,030.52	3,291.94	.....	.....	.....
Chatham	1,397,960.90	113,283.71	.....	1,511,244.61	8,466.29	338.65	89.15
Chatsworth.....	19,016.42	1,767.41	.....	20,783.83	.....	.....	.....
Chesley	121,476.87	9,419.34	.....	130,896.21	.....	.....	.....
Chesterville.....	88,006.94	8,221.43	.....	96,228.37	.....	.....	.....
Chippawa	60,276.75	5,966.56	.....	66,243.31	.....	.....	.....
Clifford	27,787.52	2,335.82	.....	30,123.34	.....	.....	.....
Clinton	165,849.28	13,950.44	.....	179,799.72	1,115.86	44.63	11.75
Cobden	18,832.54	2,589.54	.....	21,422.08	.....	.....	.....
Cobourg	325,608.05	44,677.98	.....	370,286.03	.....	.....	.....
Colborne	32,652.45	4,331.71	.....	36,984.16	.....	.....	.....
Coldwater	42,993.37	3,187.30	.....	46,180.67	2,159.54	86.38	22.74
Collingwood.....	474,552.44	38,207.07	.....	512,759.51	82,708.45	3,308.34	870.92
Comber	51,401.25	3,164.92	.....	54,566.17	217.47	8.70	2.29
Cookstown	20,710.58	2,150.38	.....	22,860.96	.....	.....	.....
Cottam	18,070.71	1,525.94	.....	19,596.65	.....	.....	.....
Courtright.....	18,061.81	1,309.10	.....	19,370.91	.....	.....	.....
Creemore	38,846.17	3,252.34	.....	42,098.51	2,684.71	107.39	28.27
Dashwood.....	28,686.77	2,151.57	.....	30,838.34	68.38	2.74	.72
Delaware	14,541.31	1,427.38	.....	15,968.69	89.27	3.57	.94

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1957

(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Delhi.....	70,514.57	10,980.87	.....	81,495.44	.....	.....	.....
Deseronto.....	42,762.27	5,242.97	.....	48,005.24	.....	.....	.....
Dorchester.....	26,721.32	2,339.52	.....	29,060.84	169.99	6.80	1.79
Drayton.....	40,178.17	2,869.40	.....	43,047.57	.....	.....	.....
Dresden.....	110,993.85	8,733.24	.....	119,727.09	726.50	29.06	7.65
Drumbo.....	23,049.60	1,815.07	.....	24,864.67	159.54	6.38	1.68
Dublin.....	17,495.47	1,487.37	.....	18,982.84	5.70	.23	.06
Dundalk.....	46,071.50	3,849.08	.....	49,920.58	.....	.....	.....
Dundas.....	482,974.80	39,715.26	.....	522,690.06	60,215.57	2,408.62	634.07
Dunnville.....	245,833.30	23,456.23	.....	269,289.53	.....	.....	.....
Durham.....	101,644.35	9,556.92	.....	111,201.27	.....	.....	.....
Dutton.....	59,004.84	4,024.38	.....	63,029.22	470.09	18.80	4.95
East York Twp.....	1,545,199.38	186,702.64	.....	1,731,902.02	.....	.....	.....
Eganville.....	3,426.76	1,565.85	.....	4,992.61	.....	.....	.....
Elmira.....	269,397.36	23,474.14	.....	292,871.50	1,315.29	52.61	13.85
Elmvale.....	48,452.25	3,882.10	.....	52,334.35	3,480.53	139.22	36.65
Elmwood.....	16,263.81	1,372.86	.....	17,636.67	.....	.....	.....
Elora.....	114,758.61	7,748.63	.....	122,507.24	1,234.57	49.38	13.00
Embro.....	36,497.36	2,828.74	.....	39,326.10	275.40	11.02	2.90
Erieau.....	29,750.13	2,708.13	.....	32,458.26	.....	.....	.....
Erie Beach.....	5,608.61	438.64	.....	6,047.25	.....	.....	.....
Erin.....	8,143.64	2,155.23	.....	10,298.87	.....	.....	.....
Essex.....	122,478.41	10,593.29	.....	133,071.70	.....	.....	.....
Etobicoke Twp.....	1,905,271.50	385,761.63	.....	2,291,033.13	251.66	10.07	2.65
Exeter.....	160,033.94	14,000.22	.....	174,034.16	1,076.92	43.08	11.34
Fergus.....	246,937.35	22,427.35	.....	269,364.70	1,121.56	44.86	11.81
Finch.....	17,988.77	1,525.84	.....	19,514.61	.....	.....	.....
Flesherton.....	22,181.79	2,012.53	.....	24,194.32	.....	.....	.....
Fonthill.....	39,007.50	5,602.09	.....	44,609.59	.....	.....	.....
Forest.....	124,395.72	10,434.67	.....	134,830.39	418.80	16.75	4.41
Forest Hill.....	818,042.24	79,449.83	.....	897,492.07	.....	.....	.....
Frankford.....	11,409.87	2,551.66	.....	13,961.53	.....	.....	.....
Galt.....	1,891,297.36	143,176.06	215.33	2,034,688.75	194,833.81	7,793.35	2,051.60
Georgetown.....	385,044.07	36,218.89	6.27	421,269.23	3,841.41	153.66	40.45
Glencoe.....	63,113.53	4,552.15	.....	67,665.68	.....	.....	.....
Goderich.....	413,775.82	34,344.78	.....	448,120.60	2,503.32	100.13	26.36
Grand Bend.....	16,026.52	3,446.09	.....	19,472.61	17.09	.68	.18
Grand Valley.....	42,371.64	3,555.16	.....	45,926.80	.....	.....	.....
Granton.....	22,157.73	1,311.41	.....	23,469.14	134.85	5.39	1.42
Gravenhurst.....	149,947.53	15,972.51	.....	165,920.04	.....	.....	.....

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Grimsby	75,923.77	12,628.77	455.64	89,008.18	.....	.....	.....
Guelph	2,213,233.21	179,435.74	.....	2,392,668.95	191,741.69	7,669.67	2,019.04
Hagersville	230,534.57	16,567.59	.....	247,102.16	1,077.87	43.11	11.35
Hamilton.....	19,560,348.41	1,812,464.92	112.46	21,372,925.79	475,708.46	19,028.34	5,009.21
Hanover	279,874.23	23,663.57	.....	303,537.80	.....	.....	.....
Harriston	117,331.21	9,285.95	.....	126,617.15	744.54	29.78	7.84
Harrow	105,576.69	9,024.12	.....	114,600.81	.....	.....	.....
Hastings	20,528.02	2,356.55	.....	22,884.57	.....	.....	.....
Havelock.....	41,272.25	3,378.25	.....	44,650.50	.....	.....	.....
Hawkesbury	16,808.80	8,962.84	.....	25,771.64	.....	.....	.....
Hensall	58,691.47	5,319.45	.....	64,010.92	281.10	11.24	2.96
Hespeler	443,233.11	37,345.59	521.33	481,100.03	33,290.60	1,331.62	350.55
Highgate	28,442.14	1,939.00	.....	30,381.14	172.84	6.91	1.82
Holstein	8,746.78	722.93	.....	9,469.71	.....	.....	.....
Huntsville	225,446.33	20,391.26	.....	245,837.59	.....	.....	.....
Ingersoll	597,519.47	38,870.64	.....	636,390.11	88,399.81	3,535.99	930.85
Iroquois	25,649.42	4,068.27	.....	29,717.69	.....	.....	.....
Jarvis	46,469.08	3,202.33	.....	49,671.41	.....	.....	.....
Kemptville	84,992.06	8,876.80	.....	93,868.86	.....	.....	.....
Kincardine	162,687.02	14,751.66	.....	177,438.68	.....	.....	.....
Kingston.....	1,252,423.72	177,647.91	.....	1,430,071.63	.....	.....	.....
Kingsville	147,273.16	11,847.24	.....	159,120.40	.....	.....	.....
Kirkfield	9,843.25	745.54	.....	10,588.79	.....	.....	.....
Kitchener	4,571,741.97	361,137.29	235.00	4,933,114.26	322,702.75	12,908.11	3,398.06
Lakefield	68,527.20	6,593.48	.....	75,120.68	.....	.....	.....
Lambeth	41,130.71	4,640.87	.....	45,771.58	188.98	7.56	1.99
Lanark	23,276.17	2,093.50	.....	25,369.67	.....	.....	.....
Lancaster	18,824.71	1,628.06	.....	20,452.77	.....	.....	.....
La Salle	64,737.83	7,004.61	.....	71,742.44	.....	.....	.....
Leamington	368,662.56	34,399.59	.....	403,062.15	.....	.....	.....
Lindsay	469,482.26	46,818.73	.....	516,300.99	.....	.....	.....
Listowel	276,956.98	21,648.09	.....	298,605.07	1,659.07	66.36	17.47
London	7,533,991.67	495,487.96	.....	8,029,479.63	745,751.20	29,830.05	7,852.76
London Twp.	94,560.13	9,477.19	.....	104,037.32	.....	.....	.....
Long Branch	222,162.98	33,183.76	.....	255,346.74	.....	.....	.....
L'Orignal	3,209.31	1,224.39	.....	4,433.70	.....	.....	.....
Lucan	58,720.59	4,546.57	.....	63,267.16	883.19	35.33	9.30
Lucknow	71,936.69	5,240.29	.....	77,176.98	.....	.....	.....
Lynden	36,586.87	2,423.94	18.11	39,028.92	949.67	37.99	10.00
Madoc	44,002.04	4,937.72	.....	48,939.76	.....	.....	.....

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Magnetawan.....	1,558.28	417.57	.....	1,975.85	.....	.....	.....
Markdale.....	39,536.61	3,968.08	.....	43,504.69	.....	.....	.....
Markham.....	82,684.63	11,172.13	.....	93,856.76	.....	.....	.....
Marmora.....	29,408.17	3,928.10	.....	33,336.27	.....	.....	.....
Martintown.....	8,298.34	885.49	.....	9,183.83	.....	.....	.....
Maxville.....	32,365.13	2,957.20	.....	35,322.33	.....	.....	.....
Meaford.....	141,471.12	15,192.62	.....	156,663.74	.....	.....	.....
Merlin.....	33,648.46	2,393.20	.....	36,041.66	.....	.....	.....
Merrickville.....	8,526.52	1,947.01	.....	10,473.53	.....	.....	.....
Merritton.....	936,185.63	99,655.73	.....	1,035,841.36	.....	.....	.....
Midland.....	699,835.04	48,532.10	.....	748,367.14	57,782.26	2,311.30	608.45
Mildmay.....	21,843.48	2,565.01	.....	24,408.49	.....	.....	.....
Millbrook.....	14,561.65	2,121.92	.....	16,683.57	.....	.....	.....
Milton.....	325,735.55	28,903.13	.....	354,638.68	4,542.26	181.69	47.83
Milverton.....	123,502.34	8,443.02	.....	131,945.36	1,134.85	45.39	11.95
Mimico.....	502,829.45	47,442.02	.....	550,271.47	2,035.14	81.41	21.43
Mitchell.....	152,670.67	10,538.72	.....	163,209.39	30,929.72	1,237.19	325.69
Moorefield.....	19,927.34	1,514.54	.....	21,441.88	.....	.....	.....
Morrisburg.....	40,059.97	6,454.64	.....	46,514.61	.....	.....	.....
Mount Brydges.....	25,643.56	2,234.16	.....	27,877.72	261.16	10.45	2.75
Mount Forest.....	122,814.60	11,239.43	.....	134,054.03	.....	.....	.....
Napanee.....	197,586.34	21,312.96	.....	218,899.30	.....	.....	.....
Neustadt.....	20,209.08	1,805.23	.....	22,014.31	.....	.....	.....
Newboro.....	1,967.06	380.44	.....	2,347.50	.....	.....	.....
Newburgh.....	4,598.03	1,116.19	.....	5,714.22	.....	.....	.....
Newbury.....	13,685.46	1,006.32	.....	14,691.78	.....	.....	.....
Newcastle.....	28,156.77	4,043.15	.....	32,199.92	.....	.....	.....
New Hamburg.....	152,483.96	9,556.82	.....	162,040.78	30,048.43	1,201.94	316.41
Newmarket.....	130,905.45	24,725.14	.....	155,630.59	.....	.....	.....
New Toronto.....	1,657,749.80	140,815.45	.....	1,798,565.25	8,527.07	341.08	89.79
Niagara.....	123,135.50	11,945.77	.....	135,081.27	.....	.....	.....
Niagara Falls.....	1,725,600.80	130,730.57	.....	1,856,331.37	23,792.02	951.68	250.53
North York Twp.....	2,358,146.18	530,137.46	.....	2,888,283.64	.....	.....	.....
Norwich.....	111,474.32	8,331.98	.....	119,806.30	2,128.21	85.13	22.41
Norwood.....	29,515.79	3,239.08	.....	32,754.87	.....	.....	.....
Oakville.....	156,621.41	39,006.52	.....	195,627.93	.....	.....	.....
Oil Springs.....	63,301.60	3,553.50	.....	66,855.10	.....	.....	.....
Omeme.....	16,472.92	2,231.29	.....	18,704.21	.....	.....	.....
Orangeville.....	173,266.37	17,780.94	.....	191,047.31	.....	.....	.....
Orillia.....	41,417.28	17,836.18	.....	59,253.46	.....	.....	.....
Orono.....	13,214.79	2,058.63	.....	15,273.42	.....	.....	.....
Oshawa.....	2,595,107.87	302,168.95	.....	2,897,276.82	.....	.....	.....
Ottawa.....	2,849,194.04	571,654.15	.....	3,420,848.19	432.10	45.81	12.06
Otterville.....	29,961.40	2,541.00	.....	32,502.40	140.55	5.62	1.48
Owen Sound.....	876,479.55	77,342.10	.....	953,821.65	.....	.....	.....

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Paisley.....	38,147.85	3,158.35		41,306.20			
Palmerston.....	135,273.32	9,587.21	868.66	145,729.19	1,003.80	40.15	10.57
Paris.....	352,063.77	26,771.22		378,834.99	3,935.42	157.42	41.44
Parkhill.....	66,816.97	5,480.46		72,297.43			
Parry Sound.....	32,664.51	7,457.02		40,121.53			
Penetanguishene.....	211,120.61	12,409.28		223,529.89	93,392.21	3,735.69	983.42
Perth.....	266,896.22	24,388.42		291,284.64			
Peterborough.....	1,734,535.21	199,605.66		1,934,140.87			
Petrolia.....	287,151.25	18,317.32		305,468.57	2,814.81	112.59	29.64
Pictou.....	226,399.80	22,525.61		248,925.41			
Plattsville.....	36,381.99	3,588.65		39,970.64	365.62	14.62	3.85
Point Edward.....	268,528.14	23,367.08		291,895.22	404.56	16.18	4.26
Port Burwell.....	6,319.05	1,125.58		7,444.63	104.46	.29	1.10
Port Colborne.....	428,099.58	38,218.85		466,318.43			
Port Credit.....	197,343.54	35,097.76		232,441.30	688.51	27.54	7.25
Port Dalhousie.....	140,247.69	11,680.92		151,928.61			
Port Dover.....	106,155.37	11,194.32		117,349.69			
Port Elgin.....	73,672.35	8,028.89		81,701.24			
Port Hope.....	357,176.83	43,971.37	75.09	401,223.29			
Port McNicoll.....	42,465.50	5,583.61		48,049.11	1,314.34	52.57	13.84
Port Perry.....	70,775.30	7,305.87		78,081.17			
Port Rowan.....	25,263.96	2,062.07		27,326.03			
Port Stanley.....	136,803.62	10,107.45	39.65	146,950.72	1,230.77	49.23	12.96
Prescott.....	198,343.21	20,309.48		218,652.69			
Preston.....	804,034.04	58,147.51		862,181.55	84,638.19	3,385.53	891.24
Priceville.....	3,367.42	323.21		3,690.63			
Princeton.....	30,990.91	2,178.69		33,169.60	115.86	4.63	1.22
Queenston.....	23,786.12	2,100.15		25,886.27			
Renfrew.....	75,035.22	15,326.22		90,361.44			
Richmond.....	16,338.47	1,971.59		18,310.06			
Richmond Hill.....	119,742.39	28,829.10		148,571.49			
Ridgetown.....	133,340.64	10,233.98		143,574.62	987.65	39.51	10.40
Ripley.....	27,548.48	2,292.21		29,840.69			
Riverside.....	321,303.70	32,841.33		354,145.03			
Rockland.....	6,651.34	2,951.93		9,603.27			
Rockwood.....	36,667.56	3,077.94		39,745.50	174.74	6.99	1.84
Rodney.....	44,593.38	3,700.86		48,294.24	218.42	8.74	2.30
Rosseau.....	12,276.55	793.59		13,070.14			
Russell.....	19,304.09	1,620.41		20,924.50			
St. Catharines.....	2,818,962.04	269,136.91		3,088,098.95			
St. Clair Beach.....	25,666.97	3,028.99		28,695.96			
St. George.....	43,142.18	3,266.45		46,408.63	383.67	15.35	4.94
St. Jacobs.....	55,498.84	4,163.24		59,662.08	138.65	5.55	1.46
St. Mary's.....	387,052.45	22,760.71		409,813.16	65,680.91	2,627.24	691.62
St. Thomas.....	1,508,236.08	97,343.78		1,605,579.86	222,661.92	8,906.48	2,344.63

SOUTHERN ONTARIO SYSTEM
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957
(continued)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Sandwich East Twp.....	6,002.00	21,686.10	42,152.60	69,840.70	.....	.....	.....
Sandwich West Twp.....	66,025.40	33,434.08	2,259.46	101,718.94	.....	.....	.....
Sarnia.....	2,311,925.94	234,027.41	.....	2,545,953.35	8,779.68	351.19	92.45
Scarborough Twp.....	1,793,157.81	434,419.95	.....	2,227,577.76	.....	.....	.....
Seaforth.....	188,753.50	8,157.53	.....	196,911.03	95,555.56	3,822.22	1,006.20
Shelburne.....	68,765.68	6,581.98	437.58	75,785.24	.....	.....	.....
Simcoe.....	416,122.17	38,414.76	.....	454,536.93	1,307.69	52.31	13.77
Smith's Falls.....	414,665.60	40,043.83	.....	454,709.43	.....	.....	.....
Smithville.....	23,487.87	2,983.02	.....	26,470.89	.....	.....	.....
Southampton.....	70,801.68	7,323.43	.....	78,125.11	.....	.....	.....
Springfield.....	26,026.15	1,858.98	.....	27,885.13	59.83	2.39	.63
Stamford Twp.....	481,642.09	71,818.02	.....	553,460.11	4,173.79	166.95	43.95
Stayner.....	62,465.14	6,070.26	.....	68,535.40	3,147.20	125.89	33.14
Stirling.....	42,998.94	4,476.32	.....	47,475.26	.....	.....	.....
Stoney Creek.....	44,356.80	13,353.32	.....	57,710.12	.....	.....	.....
Stouffville.....	78,155.06	9,479.03	.....	87,634.09	.....	.....	.....
Stratford.....	1,718,557.86	112,106.07	.....	1,830,663.93	200,592.59	8,023.70	2,112.24
Strathroy.....	289,505.35	22,793.68	.....	312,299.03	2,370.37	94.81	24.96
Streetsville.....	50,535.13	11,173.67	.....	61,708.80	.....	.....	.....
Sunderland.....	32,717.70	2,760.18	.....	35,477.88	.....	.....	.....
Sundridge.....	4,064.31	1,441.37	.....	5,505.68	.....	.....	.....
Sutton.....	69,675.61	6,819.93	.....	76,495.54	.....	.....	.....
Swansea.....	366,244.48	34,797.53	.....	401,042.01	.....	.....	.....
Tara.....	29,256.29	2,310.49	.....	31,566.78	.....	.....	.....
Tavistock.....	137,906.10	8,731.35	.....	146,637.45	599.24	23.97	6.31
Tecumseh.....	99,877.41	8,564.54	.....	108,441.95	.....	.....	.....
Teeswater.....	43,485.75	3,854.50	.....	47,340.25	.....	.....	.....
Thamesford.....	55,151.08	4,377.75	.....	59,528.83	277.30	11.09	2.92
Thamesville.....	59,460.11	5,116.09	.....	64,576.20	447.29	17.89	4.71
Thedford.....	34,329.30	2,843.07	.....	37,172.37	.....	.....	.....
Thornbury.....	13,450.24	3,017.04	.....	16,467.28	.....	.....	.....
Thorndale.....	26,573.70	1,916.56	.....	28,490.26	169.04	6.76	1.78
Thornton.....	10,622.88	858.90	.....	11,481.78	.....	.....	.....
Thorold.....	453,916.90	58,829.76	.....	512,746.66	.....	.....	.....
Tilbury.....	180,810.18	13,166.89	.....	193,977.07	661.92	26.48	6.97
Tillsonburg.....	307,391.07	23,812.58	.....	331,203.65	61,598.29	2,463.93	648.63
Toronto.....	59,495,986.75	4,399,797.45	.....	63,895,784.20	2,359,882.25	94,395.29	24,849.56
Toronto Twp.....	843,931.82	199,021.06	.....	1,042,952.88	1,139.60	45.58	12.00
Tottenham.....	34,879.46	2,824.44	.....	37,703.90	.....	.....	.....
Trafalgar Twp.....	120,244.98	34,783.96	.....	155,028.94	.....	.....	.....
Trenton.....	502,525.98	73,677.34	.....	576,203.32	.....	.....	.....
Tweed.....	53,360.48	5,567.96	.....	58,928.44	.....	.....	.....
Uxbridge.....	79,473.09	8,786.83	.....	88,259.92	.....	.....	.....
Vankleek Hill.....	4,872.14	1,993.86	.....	6,866.00	.....	.....	.....
Victoria Harbour.....	22,388.11	1,927.79	.....	24,315.90	1,721.75	68.87	18.13

SOUTHERN ONTARIO SYSTEM

STATEMENT OF SINKING FUND EQUITY

as at December 31, 1957

(concluded)

Municipality	Net amount paid as part of cost of power by each municipality together with proportionate share of other sinking funds provided out of revenues of the system and interest allowed				Matured portion of sinking fund at Jan. 1, 1957	Reduction made in cost of power from matured sinking fund	
	Balance at Jan. 1, 1957	Net provision and interest credited during year	Sinking fund equity acquired through annexation	Balance at Dec. 31, 1957		Interest	Provision
	\$	\$	\$	\$	\$	\$	\$
Walkerton.....	122,657.40	14,210.44	.....	136,867.84	.....	.....	.....
Wallaceburg.....	753,970.36	59,719.66	.....	813,690.02	3,513.77	140.55	37.00
Wardsville.....	13,774.15	1,150.27	.....	14,924.42	.....	.....	.....
Warkworth.....	16,235.54	1,506.45	.....	17,741.99	.....	.....	.....
Wasaga Beach.....	7,633.02	2,992.90	.....	10,625.92	.....	.....	.....
Waterdown.....	71,087.45	5,867.42	.....	76,954.87	13,000.00	520.00	136.89
Waterford.....	99,466.71	7,350.36	.....	106,817.07	1,056.98	42.28	11.13
Waterloo.....	960,315.83	81,738.71	.....	1,042,054.54	75,921.18	3,036.85	799.45
Watford.....	86,623.96	7,460.34	.....	94,084.30	72.17	2.89	.76
Waubashene.....	19,056.55	1,837.04	.....	20,893.59	1,241.22	49.65	13.07
Welland.....	1,183,353.31	96,100.97	.....	1,279,454.28	39,571.70	1,582.87	416.69
Wellesley.....	45,772.49	3,275.81	.....	49,048.30	826.21	33.05	8.70
Wellington.....	42,590.14	4,082.80	.....	46,672.94	.....	.....	.....
West Lorne.....	89,479.99	7,846.46	.....	97,326.45	225.07	9.00	2.37
Weston.....	797,840.47	60,325.54	.....	858,166.01	61,514.72	2,460.59	647.75
Westport.....	22,759.44	2,125.82	.....	24,885.26	.....	.....	.....
Wheatley.....	56,395.52	5,266.10	.....	61,661.62	.....	.....	.....
Whitby.....	253,351.40	40,222.67	.....	293,574.07	.....	.....	.....
Warton.....	70,686.63	7,356.62	.....	78,043.25	.....	.....	.....
Williamsburg.....	20,348.24	1,714.90	.....	22,063.14	.....	.....	.....
Winchester.....	74,251.30	7,372.57	.....	81,623.87	.....	.....	.....
Windsor.....	10,509.02	848.54	.....	11,357.56	.....	.....	.....
Windsor.....	9,645,695.12	678,736.14	.....	10,324,431.26	42,732.19	1,709.29	449.97
Wingham.....	148,636.78	13,417.32	.....	162,054.10	.....	.....	.....
Woodbridge.....	137,462.03	13,922.00	.....	151,384.03	864.20	34.57	9.10
Woodstock.....	1,378,171.06	110,205.84	.....	1,488,376.90	97,533.71	3,901.35	1,027.03
Woodville.....	28,037.99	2,037.60	.....	30,075.59	.....	.....	.....
Wyoming.....	29,293.98	2,648.09	.....	31,942.07	286.80	11.47	3.02
York Twp.....	3,104,939.42	330,646.85	.....	3,435,586.27	.....	.....	.....
Zurich.....	41,546.94	3,139.09	.....	44,686.03	34.19	1.37	.36
Total—Municipalities.....	181,775,308.98	16,766,293.88	98,745.64	198,640,348.50	6,091,101.34	243,668.69	64,146.81
Rural Power District.....	29,148,373.36	3,922,579.91	98,745.64	32,972,207.63	.....	.....	.....
Administrative and service buildings and equipment	2,712,183.45	272,165.32	.....	2,984,348.77	581,470.00	41,202.45	10,846.55
Grand Total.....	213,635,865.79	20,961,039.11 (See note)	.....	234,596,904.90	6,672,571.34	284,871.14	74,993.36

NOTE: The net provision and interest credited during the year consist of the following amounts shown in the statement of sinking fund reserve:

Interest.....	\$ 8,545,436.61
Provision—direct.....	12,559,742.00
—indirect.....	215,725.00
	<u>\$21,320,903.61</u>
Less credits resulting from matured sinking funds.....	359,864.50
	<u>\$20,961,039.11</u>

NORTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	In		
	Balance at January 1, 1957	Changes	
		Placed in service	Equipment relocated and reclassified
Power System	\$	\$	\$
GENERATING STATIONS			
NORTHEASTERN DIVISION			
Abitibi River			
Abitibi Canyon.....	19,219,996	64,667	.....
Mississagi River			
George W. Rayner.....	18,456,865	34,688	3,754
Other properties.....	22,501,295	174,281	68,816
	60,178,156	273,636	65,062
NORTHWESTERN DIVISION			
Nipigon River			
Pine Portage.....	31,899,247	74,000	.....
Cameron Falls.....	10,494,771	1,677	.....
Alexander.....	7,725,406	125,500	.....
Aguasabon River			
Aguasabon.....	12,642,968	22,230	.....
English River			
Caribou Falls.....	.....	.....	.....
Manitou Falls.....	13,714,473	40,632	62,614
Winnipeg River			
Whitedog Falls.....	.....	.....	.....
Kaministiquia River			
Silver Falls.....	.....	.....	.....
Other properties.....	10,387,138	914,273	42,868
	86,864,003	1,097,048	105,482
Total generating stations.....	147,042,159	1,370,684	170,544
TRANSFORMER STATIONS			
Northeastern Division.....	16,345,726	2,211,911	71,301
Northwestern Division.....	7,380,487	315,898	12,330
Total transformer stations.....	23,726,213	2,527,809	58,971
TRANSMISSION LINES			
Northeastern Division.....	23,021,790	3,960,432	68,403
Northwestern Division.....	23,998,345	3,694,875	.....
Total transmission lines.....	47,020,135	7,655,307	68,403
LOCAL SYSTEMS			
Northeastern Division.....	2,929,337	152,666	63,195
Northwestern Division.....	495,395	25,966	4,873
Total local systems.....	3,424,732	178,632	68,068
COMMUNICATIONS.....	3,439,737	113,388	108,539
Total power system.....	224,652,976	11,845,820	3,369

PROPERTIES

ASSETS

Year 1957 and Balances at December 31, 1957

service		Under construction at December 31, 1957	Total fixed assets at December 31, 1957	Expenditures during 1957
during year	Balance at December 31, 1957			
Sales and retirements				
\$	\$	\$	\$	\$
24,084	19,260,579	212,818	19,473,397	240,283
	18,495,307	17,689	18,512,996	28,462
26,780	22,579,980	493,883	23,073,863	567,312
50,864	60,335,866	724,390	61,060,256	836,057
3,665	31,969,582	2,171	31,971,753	29,077
315	10,496,133	3,044,026	13,540,159	2,401,194
120,000	7,730,906	3,079,343	10,810,249	2,258,294
	12,665,198	6,685	12,671,883	18,511
		16,304,052	16,304,052	13,081,630
	13,611,227	1,336,329	14,947,556	1,065,196
		18,913,928	18,913,928	7,588,981
		4,729,810	4,729,810	4,553,710
449,097	10,809,446	617,631	11,427,077	1,285,441
573,077	87,282,492	48,033,975	135,316,467	32,282,034
623,941	147,618,358	48,758,365	196,376,723	33,118,091
272,889	18,356,049	2,003,987	20,360,036	3,470,979
25,498	7,658,557	701,188	8,359,745	914,706
298,387	26,014,606	2,705,175	28,719,781	4,385,685
186,912	26,726,907	3,793,572	30,520,479	6,713,627
70,936	27,622,284	1,132,343	28,754,627	4,160,850
257,848	54,349,191	4,925,915	59,275,106	10,874,477
6,223	3,138,975	101,176	3,240,151	157,037
4,328	521,906	5,171	527,077	24,512
10,551	3,660,881	106,347	3,767,228	181,549
71,150	3,590,514	254,250	3,844,764	261,121
1,261,877	235,233,550	56,750,052	291,983,602	48,820,923

NORTHERN ONTARIO

FIXED

Statement Showing Changes During

Property	In		
	Balance at January 1, 1957	Changes	
		Placed in service	Equipment relocated and reclassified
Administrative and Service Buildings and Equipment	\$	\$	\$
BUILDINGS.....	1,262,494	307,953	2,634
OFFICE AND SERVICE EQUIPMENT.....	587,229	68,216	.....
Total administrative and service buildings and equipment.....	1,849,723	376,169	2,634
Rural Power District	30,404,255	2,618,020	735
Total fixed assets.....	256,906,954	14,840,009	.....

Changes in Assets Under Construction During 1957

Under construction at January 1, 1957.....	\$ 20,139,860
Expenditures during 1957.....	52,010,060
	\$ 72,149,920
Less—Placed in service during 1957.....	14,840,009
Under construction at December 31, 1957.....	\$ 57,309,911

PROPERTIES

ASSETS

Year 1957 and Balances at December 31, 1957

service		Under construction at December 31, 1957	Total fixed assets at December 31, 1957	Expenditures during 1957
during year	Balance at December 31, 1957			
Sales and retirements				
\$	\$	\$	\$	\$
..... 31,879	1,573,081 623,566	183,597	1,756,678 623,566	326,189 68,216
31,879	2,196,647	183,597	2,380,244	394,405
129,056	32,893,954	376,262	33,270,216	2,794,732
1,422,812	270,324,151	57,309,911	327,634,062	52,010,060

Summary of Sales and Retirements During 1957

Charged to operations.....	\$ 19,871
Charged to reserve for stabilization of rates and contingencies.....	323,681
Charged to accumulated depreciation.....	739,015
Proceeds from sales.....	340,245
	<u>\$ 1,422,812</u>

NORTHERN ONTARIO

Accumulated Depreciation, December 31, 1957

	Power System	Rural Power District	Administrative and service buildings and equipment	Total
	\$	\$	\$	\$
Balances at January 1, 1957 . .	29,844,561	3,476,765	373,763	33,695,089
Add:				
Interest at 3% per annum on accumulated depreciation required on plant not fully depreciated	779,763	96,280	6,284	882,327
Provision in the year				
—direct (Note)	2,010,900	939,832	.....	2,950,732
—indirect . . . . .	.....	.....	69,250	69,250
Salvage recoveries less removal costs of assets retired	116,556	29,243	.....	87,313
Adjustments re transfer of equipment	12,496	12,476	20	.....
	32,506,172	4,554,596	449,317	37,510,085
Deduct:				
Cost of fixed assets retired less proceeds from sales . .	602,396	122,249	14,370	739,015
Balances at December 31, 1957	31,903,776	4,432,347	434,947	36,771,070

NOTE—The provision in the year includes an additional 1% provision amounting to \$316,164 for the Rural Power District, and \$26,838 for the Power System (local distribution systems) on fixed assets in service.

Exchange Discount and Premium on Funded Debt, December 31, 1957

	Discount	Premium
	\$	\$
Exchange discount and premium on funded debt issued in United States funds:		
Balances at January 1, 1957	189,205	183,205
Add prior year adjustment	7,271	.....
Less premium on bonds redeemed during 1957 . . . . .	.....	6,106
Balances at December 31, 1957	196,476	177,099

Frequency Standardization Account, December 31, 1957

Balance at credit at January 1, 1957	\$ 280,525
Interest for the year on reserve balance	14,225
Frequency standardization provision charged to cost of power for the year	336,933
	\$ 631,683
Less expenditure for frequency standardization work during year	347,973
Balance at credit at December 31, 1957	\$ 283,710

PROPERTIES

Reserve for Stabilization of Rates and Contingencies, December 31, 1957

	Power System	Rural Power District	Total
	\$	\$	\$
Balances at January 1, 1957.....	15,525,654	288,093	15,813,747
Add:			
Interest for year on reserve balances (Note 1)	504,584	9,363	513,947
Provision in the year.....	2,242,142	.....	2,242,142
Profit on redemption of funded debt and sale of investments, net.....	179,646	.....	179,646
Deduct:	18,452,026	297,456	18,749,482
Write-off of undepreciated capital of Virgin Falls dam.....	323,681	.....	323,681
Balances at December 31, 1957 (Note 2)	18,128,345	297,456	18,425,801

NOTE 1—Interest for the year on the reserve balances was credited at 3.25%, which approximated the actual earnings on the investments held for these reserves.

NOTE 2—The balance of \$18,128,345 at the credit of the Power System reserve at December 31, 1957 includes an amount of \$2,304,368 held specifically for the benefit of those municipalities which were supplied with power at cost in the former Thunder Bay System at January 1, 1952, the date on which that system was merged with the Northern Ontario Properties.

Sinking Fund Reserve, December 31, 1957

	Province of Ontario			Municipalities supplied with power at cost	
	40-year basis	Prepaid sinking funds	Total	40-year basis	Total
	\$	\$	\$	\$	\$
Balances at January 1, 1957.....	25,438,602	13,440,028	38,878,630	10,929,431	49,808,061
Add:					
Interest at 4% per annum on reserve balances.....	1,017,545	537,601	1,555,146	437,177	1,992,323
Provision in the year					
—direct.....	2,351,196	.....	2,351,196	239,587	2,590,783
—indirect.....	15,785	.....	15,785	.....	15,785
	28,823,128	13,977,629	42,800,757	11,606,195	54,406,952
Deduct credits resulting from prepaid and matured sinking funds (see note):					
Interest.....	14,634	537,601	552,235	.....	552,235
Principal.....	3,853	164,605	168,458	.....	168,458
	18,487	702,206	720,693	.....	720,693
Balances at December 31, 1957.....	28,804,641	13,275,423	42,080,064	11,606,195	53,686,259

NOTE: The matured sinking funds at January 1, 1957 amounted to \$365,851.

NORTHERN ONTARIO

STATEMENT OF THE

for the Year

	Power and energy supplied during year		Power purchased, operating costs, and net fixed charges (Note 1)	Provision for frequency standardization (Note 2)
	Average of monthly peak loads corrected for power factor	Energy		
Municipalities supplied with power at cost:	kw	'000 kwh	\$	\$
Atikokan Twp.....	2,922.5	14,531.2	101,261.51	.....
Dryden.....	1,895.2	10,810.0	78,062.58	.....
Fort William.....	29,590.8	185,380.7	860,211.91	.....
Nipigon Twp.....	1,117.4	5,984.8	29,220.25	.....
Port Arthur.....	35,228.3	176,081.9	940,951.25	.....
Red Rock.....	707.3	3,516.4	17,247.27	.....
Schreiber Twp.....	898.1	4,670.4	22,572.79	.....
Terrace Bay.....	1,155.4	6,580.8	29,037.67	.....
Total—Municipalities..	73,515.0	407,556.2	2,078,565.23	.....
Province of Ontario:				
Rural Power District....	44,541.2	227,597.8	5,024,038.56	22,270.60
Other customers.....	629,324.4	4,202,811.0	21,811,794.80	314,662.20
Total—Province of Ontario.....	673,865.6	4,430,408.8	26,835,833.36	336,932.80
GRAND TOTAL.....	747,380.6	4,837,965.0	28,914,398.59	336,932.80

Notes on Cost of Power Statement

NORTHERN ONTARIO PROPERTIES

1. The total of \$28,914,398.59 shown under the heading "Power purchased, operating costs, and net fixed charges" includes the following items of cost shown in the statement of operations:

Cost of power purchased.....	\$ 1,012,870
Interchange of power with Southern Ontario System.....	2,670,073
Operation, maintenance and administrative expenses.....	11,771,233
Interest.....	8,639,400
Depreciation.....	2,950,732
Sinking fund provision.....	2,590,783
Credit resulting from prepaid and matured sinking fund.....	720,693
	<u>\$28,914,398</u>

The method used in 1956 of allocating the cost of power supplied to each customer was followed in 1957 with the exception of power supply costs which were allocated in 1957 on the basis of 50 per cent with reference to the quantity of energy supplied and 50 per cent with reference to average monthly peak loads. In 1956 these costs were allocated on the basis of 35 and 65 per cent respectively.

Interchange of power with the Southern Ontario System shown in the statement of operations as \$2,670,073 represents the cost of 761,023,000 kilowatt-hours of energy transferred from the Southern Ontario System less the cost of 1,139,000 kilowatt-hours of energy transferred to that system. In 1957 the cost was determined by allocating 50 per cent on the basis of energy and 50 per cent on an equivalent peak load, while in 1956 the cost was determined on the basis of energy only.

The credit of \$720,693 resulting from prepaid and matured sinking fund consists of a principal amount of \$168,458 and interest at 4 per cent amounting to \$552,235 applicable to prepaid and matured sinking funds aggregating \$13,805,879 at the beginning of the year.

PROPERTIES

COST OF POWER

Ended December 31, 1957

Provision for stabilization of rates and contingencies (Note 3)	Total cost of power and energy after reduction resulting from prepaid and matured sinking fund	Amount billed (municipalities at interim rates)	Balance <i>credited</i> or charged	Annual rates on a kilowatt basis	
				Interim	Actual
\$	\$	\$	\$	\$	\$
8,767.50	110,029.01	116,898.67	6,869.66	40.00	37.65
5,685.60	83,748.18	90,967.20	7,219.02	48.00	44.19
88,772.40	948,984.31	991,292.92	42,308.61	33.50	32.07
3,352.20	32,572.45	38,550.62	5,978.17	34.50	29.15
105,684.90	1,046,636.15	1,109,691.46	63,055.31	31.50	29.71
2,121.90	19,369.17	22,703.28	3,334.11	32.10	27.38
2,694.30	25,267.09	32,332.50	7,065.41	36.00	28.13
3,466.20	32,503.87	41,593.20	9,089.33	36.00	28.13
220,545.00	2,299,110.23	2,444,029.85	144,919.62	....	....
133,623.60	5,179,932.76	4,500,440.98	679,491.78	....	....
1,887,973.20	24,014,430.20	24,977,239.61	962,809.41	....	....
2,021,596.80	29,194,362.96	29,477,680.59	283,317.63	....	....
2,242,141.80	31,493,473.19	31,921,710.44	428,237.25	....	....

2. The provision for frequency standardization consists of a charge of 50 cents per kilowatt on the average monthly peak load supplied to all customers served on behalf of the Province of Ontario.

3. The provision for stabilization of rates and contingencies of \$2,242,141.80 consists of a charge of \$3 per kilowatt on the average monthly peak load supplied to all customers.

4. The average peak load supplied in the year as shown in the cost of power statement represents primary power only. It does not include surplus or secondary power which is sold on a kilowatt-hour basis for export outside the Province and to customers in Ontario. These surplus kilowatt-hours are, however, included in the total energy supplied to companies, and the net revenue represented by this energy was as follows:

	<i>Paper companies</i>	<i>Other customers</i>	<i>Total</i>
Gross revenue	\$64,076.16	\$32,166.61	\$96,242.77
Less costs related thereto	45,709.67	1,570.64	47,280.31
Net revenue	\$18,366.49	\$30,595.97	\$48,962.46

The gross revenue is included in the amount of \$24,977,239 billed to other customers for the account of the Province of Ontario.

NORTHERN ONTARIO PROPERTIES
STATEMENT OF SINKING FUND EQUITY
as at December 31, 1957

Municipality	Net amount paid as part of cost of power by each municipality and other sinking funds provided out of revenues of the system and interest allowed		
	Balance at January 1, 1957	Net provision and interest credited during year	Balance at December 31, 1957
	\$	\$	\$
Atikokan Twp.....	9,249.01	11,542.51	20,791.52
Dryden.....	26,717.16	9,984.81	36,701.97
Fort William.....	3,693,295.59	247,619.57	3,940,915.16
Nipigon Twp.....	65,602.63	5,950.71	71,553.34
Port Arthur.....	7,035,001.47	389,817.28	7,424,818.75
Red Rock.....	22,882.56	2,699.63	25,582.19
Schreiber Twp.....	27,423.59	3,718.37	31,141.96
Terrace Bay.....	49,259.35	5,430.22	54,689.57
Total—Municipalities..	10,929,431.36	676,763.10	11,606,194.46
Province of Ontario.....	38,878,629.75	3,201,434.48	42,080,064.23
Grand Total	49,808,061.11	3,878,197.58 (See note)	53,686,258.69

NOTE: The net provision and interest credited during the year consist of the following amounts shown in the statement of the sinking fund reserve:

Interest.....	\$ 1,992,322.44
Provision—direct.....	2,590,783.00
—indirect.....	15,785.00
	<u>\$ 4,598,890.44</u>
Less credits resulting from prepaid and matured sinking funds.	720,692.86
	<u>\$ 3,878,197.58</u>

APPENDIX III—RURAL

POWER is delivered in wholesale quantities by the Commission to 104 rural operating areas in the Rural Power District. Within the areas, retail customers are supplied under the following five classes of service: farm, hamlet, commercial, summer, and industrial power. The description of these classes of service and the rates applicable to them at December 31, 1957 are included in this appendix.

Description of Main Classes of Service

Farm service means service rendered to a property used for the production of food or industrial crops. It provides for the electrical supply of all farm buildings and equipment located on a farm and used for farm purposes, including equipment required for processing the products of that farm. Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm and occupied by persons engaged in its operation. Additional dwellings or domestic establishments located on a farm property and occupied by persons otherwise engaged are classed as hamlet service. Small properties of five acres and less are classified as hamlet service unless special circumstances warrant a classification as farm service.

Hamlet service is provided to domestic establishments in a community served as part of a rural operating area, or to isolated residences in a rural area when these are not classified as farm service.

Commercial service applies to a wide variety of business or community establishments such as hotels, offices, stores, churches, schools, or small manufacturing and processing plants. Sign and display lighting is included.

Summer service is applicable to properties normally used only during the summer months.

Industrial power service is 3-phase service to such power users as creameries, cheese factories, and chopping mills. It includes industrial establishments and such other loads as cannot be supplied by commercial single-phase service.

Rural Rate Structure

Rural rates in effect throughout the Province are given in the accompanying table. They are quoted on a monthly basis, except for summer service, which is quoted on an annual basis. Each contract within each class of service has a rating and the energy used is billed on the basis of a three-step energy rate, the

bill being subject to a monthly minimum, or with respect to summer service, to an annual fixed charge. The number of kilowatt-hours billed at the first and second energy rates and the amount of the minimum monthly bill or the annual fixed charge depend on the contract rating. For all contracts with a demand rating (FD, HD, CD, SD, and Industrial Power) these aspects of the bill are based on measured demand and are subject to minima related to demands established in previous billing periods.

Rural Power District
RATES AND TYPICAL BILLS FOR ELECTRICAL SERVICE
as at December 31, 1957

Rates are quoted on a monthly basis for all services but summer service, which are quoted on an annual basis. All are subject to 10% prompt payment discount.

Class and service rating	No. of kwh in first block	No. of kwh in second block	Demand rate per kw	Energy rate per kwh for			Minimum monthly bill (gross)	Net monthly bill for		
				First block of kwh	Second block of kwh	All additional kwh		100 kwh	300 kwh	500 kwh
Farm			\$	¢	¢	¢	\$	\$	\$	\$
F35.....	60	180	}				2.25	3.37	7.45	10.15
F50.....	100	300					3.75	4.05	8.73	12.42
FD (Min. 10 kw)....	10*	30*					0.40*	.....	8.73†	12.42†
Hamlet										
H20.....	60	80	}				1.67	3.37	6.46	9.16
H35.....	60	180					2.25	3.37	7.45	10.15
H50.....	80	300					3.75	3.71	8.39	11.88
HD (Min. 10 kw)....	10*	30*					0.40*	.....	8.73†	12.42†
			These rates are uniform							
Commercial										
C20.....	60	120	}	for Farm, Hamlet,			1.50	3.37	6.86	9.56
C35.....	90	180					2.25	3.88	8.26	10.96
C50.....	150	300		Commercial, and Summer			3.75	4.05	9.58	13.77
CD (Min. 10 kw)....	15*	30*				0.40*	.....	9.58†	13.77†	
			Service							
Summer §										
S20.....	150§	450§	}				16.67x	4.05§	9.58§	14.26§
S35.....	225§	675§					22.22x	4.05§	10.87§	15.55§
S50.....	375§	1,125§					25.00x	4.05§	12.15§	18.12§
SD (Min. 10 kw)....	40§*	120§*					2.50x*	.....	12.15§†	18.54§†
							Net monthly bill for use of 1 kw of demand			
			....	4.5	2.6	1.5		100 hours	200 hours	300 hours
Demand Group								\$	\$	\$
FD (Min. 10 kw)....	10*	30*	}				0.40*	1.92	3.27	4.62
HD " ".....	10*	30*					0.40*	1.92	3.27	4.62
CD " ".....	15*	30*					0.40*	2.05	3.40	4.75
SD " ".....	40§*	120§*					2.50x*	3.02§	4.97§	6.32§
Power										
1.....	50*	50*	1.35	2.3	1.5	0.33	.....	2.92	3.22	3.52
2.....	50*	50*	1.35	2.6	1.7	0.33	.....	3.15	3.45	3.74
3.....	50*	50*	1.35	2.8	1.8	0.33	.....	3.28	3.58	3.88
4.....	50*	50*	1.35	3.1	2.0	0.33	.....	3.51	3.81	4.10
5.....	50*	50*	1.35	3.4	2.2	0.33	.....	3.73	4.03	4.33
6.....	50*	50*	1.35	3.7	2.4	0.33	.....	3.96	4.26	4.55
7.....	50*	50*	1.35	4.0	2.6	0.33	.....	4.18	4.48	4.78
8.....	50*	50*	1.35	4.6	3.0	0.33	.....	4.63	4.93	5.23

*Per kw of demand.

§On annual basis.

x Gross annual fixed charge.

† Calculated on basis of minimum demand of 10 kw.

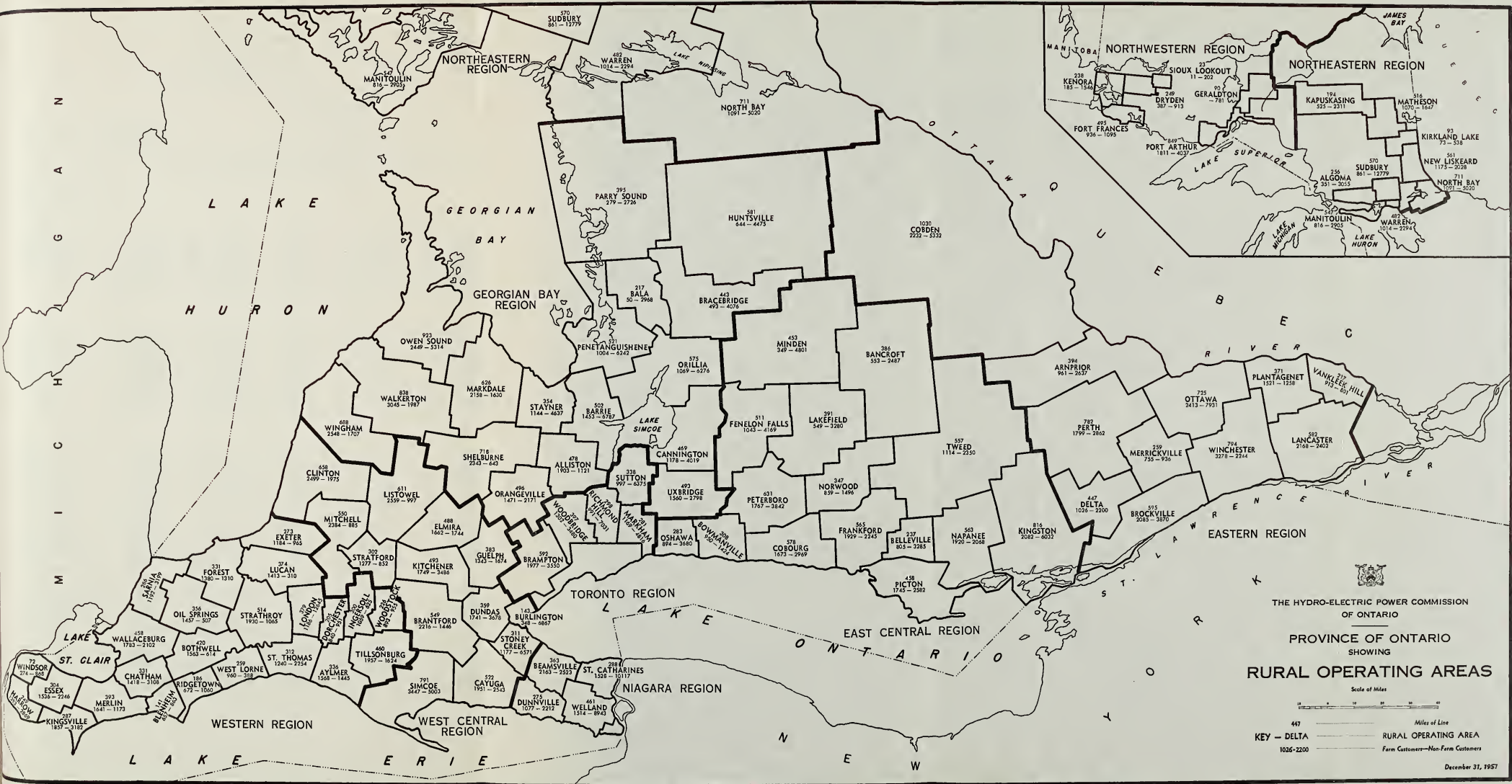
For farm, hamlet, commercial, and summer service the rate schedules are uniform throughout the Province. For industrial power service there are eight different schedules and these are numbered in the foregoing table. The alphabetical list of the 104 rural operating areas which follows indicates the number of the power service rate applicable to each area.

**Rural Operating Areas
and
Industrial Power Service Schedules in Effect**

Rural operating area	Schedule	Rural operating area	Schedule	Rural operating area	Schedule
Algoma.....	8	Geraldton.....	8	Penetanguishene...	5
Alliston.....	5	Guelph.....	4	Perth.....	4
Arnprior.....	4	Harrow.....	6	Peterborough.....	1
Aylmer.....	5	Huntsville.....	5	Pictou.....	5
Bala.....	4	Ingersoll.....	4	Plantagenet.....	4
Bancroft.....	7	Kapuskasing.....	6	Port Arthur.....	5
Barrie.....	5	Kenora.....	8	Richmond Hill....	4
Beamsville.....	4	Kingston.....	4	Ridgetown.....	6
Belleville.....	4	Kingsville.....	5	St. Catharines....	3
Blenheim.....	5	Kirkland Lake....	6	St. Thomas.....	5
Bothwell.....	6	Kitchener.....	4	Sarnia.....	5
Bowmanville....	4	Lakefield.....	4	Shelburne.....	5
Bracebridge....	4	Lancaster.....	4	Simcoe.....	4
Brampton.....	4	Listowel.....	4	Sioux Lookout....	8
Brantford.....	4	London.....	4	Stayner.....	4
Brockville.....	4	Lucan.....	5	Stoney Creek.....	2
Burlington.....	4	Manitoulin.....	8	Caledonia Section	4
Cannington.....	5	Markdale.....	4	Stratford.....	4
Cayuga.....	6	Markham.....	4	Strathroy.....	5
Chatham.....	4	Matheson.....	6	Sudbury.....	6
Clinton.....	5	Merlin.....	6	Sutton.....	5
Cobden.....	4	Merrickville....	4	Tillsonburg.....	4
Cobourg.....	4	Minden.....	6	Tweed.....	5
Delta.....	4	Mitchell.....	5	Uxbridge.....	5
Dorchester.....	5	Napanee.....	4	Vankleek Hill....	4
Dryden.....	8	New Liskeard....	6	Walkerton.....	5
Dundas.....	4	North Bay.....	6	Wallaceburg.....	5
Dunnville.....	5	Norwood.....	5	Warren.....	6
Elmira.....	4	Oil Springs.....	6	Welland.....	1
Essex.....	6	Orangeville....	6	West Lorne.....	6
Exeter.....	5	Orillia.....	3	Winchester.....	4
Fenelon Falls...	5	Oshawa.....	4	Windsor.....	4
Forest.....	6	Ottawa.....	2	Wingham.....	5
Fort Frances....	8	Owen Sound.....	5	Woodbridge.....	5
Frankford.....	4	Parry Sound....	5	Woodstock.....	4

Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1957

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
WESTERN								
Aylmer	335.56	1,568	1,075	220	11	132	7	3,013
Blenheim	140.65	657	509	126	.....	220	8	1,520
Bothwell	420.15	1,563	413	186	.....	.....	15	2,177
Chatham	330.73	1,418	2,749	321	.....	.....	38	4,526
Dorchester	205.49	840	777	156	.....	2	16	1,791
Essex	304.47	1,536	1,389	189	13	635	20	3,782
Exeter	272.71	1,184	345	129	10	469	12	2,149
Forest	331.09	1,380	264	135	29	876	6	2,690
Harrow	248.54	1,393	1,226	172	17	1,437	17	4,262
Ingersoll	300.48	1,059	492	100	2	26	5	1,684
Kingsville	287.21	1,857	1,572	268	59	1,242	41	5,039
London	379.06	1,186	11,687	814	1	25	118	13,831
Lucan	374.22	1,413	197	108	.....	.....	5	1,723
Merlin	392.83	1,641	565	226	3	362	17	2,814
Oil Springs	356.48	1,457	289	195	.....	.....	23	1,964
Ridgetown	186.12	672	317	80	19	636	8	1,732
St. Thomas	311.63	1,240	1,978	256	.....	10	10	3,494
Sarnia	285.87	1,192	2,348	311	8	525	7	4,391
Strathroy	513.57	1,930	794	263	.....	.....	8	2,995
Tillsonburg	459.78	1,957	1,307	290	.....	.....	27	3,581
Wallaceburg	457.58	1,783	1,437	320	2	323	20	3,885
West Lorne	258.57	960	206	120	1	58	3	1,348
Windsor	72.23	274	766	96	.....	.....	6	1,142
Woodstock	226.41	893	780	163	.....	.....	12	1,848
Total	7,451.43	31,053	33,482	5,244	175	6,978	449	77,381
WEST CENTRAL								
Brantford	549.11	2,216	1,135	293	4	9	5	3,662
Burlington	143.04	348	6,469	310	.....	14	74	7,215
Cayuga	522.11	1,951	953	263	20	1,282	25	4,494
Clinton	657.53	2,499	885	337	6	738	9	4,474
Dundas	358.67	1,741	3,359	294	.....	2	23	5,419
Elmira	487.99	1,662	1,221	278	13	209	23	3,406
Guelph	382.88	1,343	1,466	183	.....	17	8	3,017
Kitchener	492.96	1,749	2,831	436	1	170	48	5,235
Listowel	610.52	2,559	662	313	.....	11	11	3,556
Mitchell	549.96	2,384	619	249	.....	.....	17	3,269
Simcoe	791.36	3,447	2,938	495	31	1,523	16	8,450
Stoney Creek	311.33	1,177	5,879	499	1	143	49	7,748
Stratford	301.84	1,277	675	167	10	2,129
Total	6,159.30	24,353	29,092	4,117	76	4,118	318	62,074



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Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1957

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
NIAGARA								
Beamsville.....	363.25	2,163	2,037	340	.....	103	43	4,686
Dunnville.....	275.31	1,077	835	207	46	1,110	14	3,289
St. Catharines...	287.95	1,528	9,211	586	6	243	71	11,645
Welland.....	460.84	1,514	7,323	757	30	754	79	10,457
Total.....	1,387.35	6,282	19,406	1,890	82	2,210	207	30,077
TORONTO								
Brampton.....	592.04	1,977	2,828	353	20	300	49	5,527
Markham.....	281.21	1,169	3,874	383	24	509	26	5,985
Richmond Hill..	297.98	991	6,155	598	3	210	65	8,022
Sutton.....	338.41	997	2,710	368	103	3,177	17	7,372
Woodbridge.....	396.75	1,302	2,818	505	1	92	64	4,782
Total.....	1,906.39	6,436	18,385	2,207	151	4,288	221	31,688
GEORGIAN BAY								
Alliston.....	478.40	1,903	849	230	2	29	11	3,024
Bala.....	217.09	50	634	95	76	2,158	5	3,018
Barrie.....	502.25	1,453	2,788	410	77	3,492	20	8,240
Bracebridge....	442.72	493	1,041	202	93	2,737	3	4,569
Cannington....	468.66	1,178	992	222	29	2,767	9	5,197
Huntsville.....	580.61	644	1,645	271	136	2,404	19	5,119
Markdale.....	625.78	2,158	805	293	2	524	6	3,788
Orangeville.....	495.76	1,471	1,390	321	9	445	6	3,642
Orillia.....	574.50	1,069	2,216	423	115	3,508	14	7,345
Owen Sound....	922.81	2,449	1,744	496	132	2,933	9	7,763
Parry Sound....	395.21	279	1,284	231	96	1,102	13	3,005
Penetanguishene	520.54	1,004	1,138	207	143	4,746	8	7,246
Shelburne.....	718.11	2,343	375	219	1	48	.....	2,986
Stayner.....	354.17	1,144	1,145	234	213	3,043	2	5,781
Uxbridge.....	492.64	1,560	1,168	265	17	1,335	13	4,358
Walkerton.....	837.85	3,045	923	371	17	661	15	5,032
Wingham.....	688.26	2,548	675	331	13	683	5	4,255
Total.....	9,315.36	24,791	20,812	4,821	1,171	32,615	158	84,368

Rural Power District

MILES OF LINE, NUMBER OF CUSTOMERS

as at December 31, 1957

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
SOUTHERN ONTARIO SYSTEM								
EAST CENTRAL								
Bancroft.....	385.62	553	1,234	192	31	1,026	4	3,040
Belleville.....	236.59	805	2,880	327	2	56	20	4,090
Bowmanville...	308.19	950	1,078	208	26	102	10	2,374
Cobourg.....	578.24	1,673	1,602	320	64	970	13	4,642
Fenelon Falls...	510.78	1,043	771	249	136	3,002	11	5,212
Frankford.....	564.81	1,929	1,464	315	18	439	9	4,174
Kingston.....	815.64	2,082	3,969	655	25	1,349	34	8,114
Lakefield.....	391.49	549	764	175	76	2,264	1	3,829
Minden.....	452.93	349	1,456	307	135	2,899	4	5,150
Napanee.....	562.94	1,920	1,286	381	34	355	12	3,988
Norwood.....	347.38	859	467	117	25	883	4	2,355
Oshawa.....	283.23	894	3,092	352	5	206	25	4,574
Peterborough...	631.25	1,767	2,312	388	54	1,070	18	5,609
Picton.....	458.37	1,745	1,560	294	41	675	12	4,327
Tweed.....	557.24	1,114	1,156	324	83	784	3	3,464
Total.....	7,084.70	18,232	25,091	4,604	755	16,080	180	64,942
EASTERN								
Arnprior.....	393.86	961	1,096	274	30	1,221	16	3,598
Brockville.....	594.80	2,085	2,411	465	39	928	27	5,955
Cobden.....	1,030.28	2,232	3,463	744	91	1,005	29	7,564
Delta.....	447.27	1,026	757	244	46	1,150	3	3,226
Lancaster.....	582.48	2,168	1,669	448	6	258	21	4,570
Merrickville....	258.53	755	654	124	2	151	5	1,691
Ottawa.....	725.45	2,413	6,766	700	11	390	64	10,344
Perth.....	782.25	1,799	936	339	35	1,548	4	4,661
Plantagenet.....	371.26	1,521	858	323	.....	60	17	2,779
Vankleek Hill ..	217.29	913	537	181	4	66	13	1,714
Winchester.....	793.91	3,278	1,671	538	3	3	29	5,522
Total.....	6,197.38	19,151	20,818	4,380	267	6,780	228	51,624

Rural Power District
MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1957

Rural operating areas by regions	Miles of primary line	Number of customers						
		Farm	Hamlet	Com- mercial	Summer		Power	Total
					Com- mercial	Other		
NORTHERN ONTARIO PROPERTIES								
NORTHEASTERN								
Algoma	255.79	351	2,301	484	35	212	23	3,406
Kapuskasing . . .	193.90	525	1,839	248	3	206	15	2,836
Kirkland Lake . .	92.85	73	193	55	15	274	1	611
Manitoulin	546.53	816	1,575	508	72	724	26	3,721
Matheson	515.87	1,070	1,090	238	4	300	15	2,717
New Liskeard . .	560.61	1,175	1,304	318	38	349	19	3,203
North Bay	711.38	1,091	3,278	503	119	1,089	31	6,111
Sudbury	570.33	861	10,873	842	8	992	64	13,640
Warren	481.55	1,014	1,295	369	92	529	9	3,308
Total	3,928.81	6,976	23,748	3,565	386	4,675	203	39,553
NORTHWESTERN								
Dryden	248.95	387	539	164	29	177	4	1,300
Fort Frances . . .	494.62	936	725	251	39	76	4	2,031
Geraldton	89.82	.....	581	171	7	7	15	781
Kenora	238.27	185	649	116	91	681	9	1,731
Port Arthur	848.82	1,811	2,575	391	8	1,049	14	5,848
Sioux Lookout . .	23.39	11	122	14	7	58	1	213
Total	1,943.87	3,330	5,191	1,107	181	2,048	47	11,904

SUMMARY—MILES OF LINE, NUMBER OF CUSTOMERS
as at December 31, 1957

System and Region	Miles of primary line	Number of customers						
		Farm	Hamlet	Com-mercial	Summer		Power	Total
					Com-mercial	Other		
SOUTHERN ONTARIO SYSTEM								
Western	7,451.43	31,053	33,482	5,244	175	6,978	449	77,381
West Central . . .	6,159.30	24,353	29,092	4,117	76	4,118	318	62,074
Niagara	1,387.35	6,282	19,406	1,890	82	2,210	207	30,077
Toronto	1,906.39	6,436	18,385	2,207	151	4,288	221	31,688
Georgian Bay . . .	9,315.36	24,791	20,812	4,821	1,171	32,615	158	84,368
East Central . . .	7,084.70	18,232	25,091	4,604	755	16,080	180	64,942
Eastern	6,197.38	19,151	20,818	4,380	267	6,780	228	51,624
Total	39,501.91	130,298	167,086	27,263	2,677	73,069	1,761	402,154
NORTHERN ONTARIO PROPERTIES								
Northeastern . . .	3,928.81	6,976	23,748	3,565	386	4,675	203	39,553
Northwestern . . .	1,943.87	3,330	5,191	1,107	181	2,048	47	11,904
Total	5,872.68	10,306	28,939	4,672	567	6,723	250	51,457
Total—All systems	45,374.59	140,604	196,025	31,935	3,244	79,792	2,011	453,611

Rural Power District

INVESTMENT IN FIXED ASSETS AT COST AS AT DECEMBER 31, 1957

System and Region	1956	1957	Net increase
SOUTHERN ONTARIO SYSTEM	\$	\$	\$
Western.....	34,032,950	35,519,307	1,486,357
West Central.....	29,167,865	31,066,719	1,898,854
Niagara.....	8,671,551	9,235,610	564,059
Toronto.....	12,066,366	13,227,800	1,161,434
Georgian Bay.....	38,143,906	40,609,102	2,465,196
East Central.....	30,784,484	33,249,800	2,465,316
Eastern.....	26,616,679	28,752,937	2,136,258
Total.....	179,483,801	191,661,275	12,177,474
NORTHERN ONTARIO PROPERTIES			
Northeastern.....	21,544,135	23,488,964	1,944,829
Northwestern.....	9,059,670	9,781,252	721,582
Total.....	30,603,805	33,270,216	2,666,411
Total—All systems.....	210,087,606	224,931,491	14,843,885
Provincial assistance.....	104,725,238	112,084,337	7,359,099

Rural Electrical Service 1947 - 1957

CUSTOMERS, REVENUE, AND CONSUMPTION BY CLASSES OF SERVICE

Class of service	Year	Revenue	Consumption	Customers	Monthly consumption per customer	Average cost per kwh
		\$	kwh	No.	kwh	¢
Farm	1947	3,430,307.61	206,420,795	78,990	227	1.66
	1948	3,942,730.96	242,273,102	88,754	241	1.63
	1949	4,508,978.00	275,946,330	102,786	240	1.63
	1950	7,441,437.92	403,018,641	114,725	265	1.85
	1951	8,097,710.92	410,722,321	123,434	287	1.97
	1952	9,017,321.17	468,478,642	129,451	309	1.92
	1953	11,053,487.41	510,783,290	133,522	324	2.16
	1954	12,207,502.58	561,672,463	136,013	347	2.17
	1955	12,915,852.58	597,063,469	138,648	362	2.16
	1956	13,671,336.65	646,557,636	139,289	388	2.11
	1957	14,386,097.14	689,975,689	140,604	411	2.09
Hamlet	1947	2,754,265.59	150,411,043	74,556	179	1.83
	1948	3,279,149.63	185,225,412	85,838	193	1.77
	1949	3,552,600.42	200,875,642	98,453	182	1.77
	1950	5,712,108.72	302,905,040	115,464	202	1.89
	1951	6,380,808.20	314,271,957	124,091	219	2.03
	1952	7,253,640.00	366,600,438	133,193	238	1.98
	1953	9,560,018.46	430,507,266	150,627	253	2.22
	1954	11,194,393.02	510,800,965	160,552	274	2.19
	1955	12,734,130.77	592,590,431	177,398	292	2.15
	1956	14,639,910.88	709,141,756	181,113	330	2.06
	1957	16,174,554.38	803,953,114	196,025	355	2.01
Commercial	1947	572,625.58	33,304,037	12,079	248	1.72
	1948	706,949.62	41,665,764	13,489	272	1.70
	1949	1,147,167.71	69,458,813	15,576	398	1.65
	1950	2,083,696.71	113,039,553	17,879	483	1.84
	1951	2,284,851.74	115,121,444	20,110	505	1.98
	1952	2,457,032.13	125,932,132	24,564	470	1.95
	1953	3,385,239.46	149,120,428	28,870	465	2.27
	1954	3,707,824.28	166,176,082	30,403	467	2.23
	1955	3,996,936.76	186,698,211	32,509	495	2.14
	1956	4,444,185.15	211,082,610	33,481	533	2.11
	1957	4,855,540.79	233,114,413	35,179	566	2.08
Summer	1947	632,102.22	21,116,561	27,615	68	2.99
	1948	722,951.54	24,440,522	31,175	69	2.96
	1949	855,107.11	28,038,463	37,536	68	3.05
	1950	1,376,606.36	32,307,669	43,733	66	4.26
	1951	1,616,368.92	36,705,187	49,913	65	4.40
	1952	1,826,359.64	40,319,422	55,159	64	4.53
	1953	1,833,881.12	34,287,310	57,547	51	5.35
	1954	2,034,199.00	38,613,327	62,183	54	5.27
	1955	2,214,360.48	40,493,631	68,600	52	5.47
	1956	2,478,450.51	46,121,627	74,390	54	5.37
	1957	2,709,831.47	50,797,923	79,792	55	5.34
Power	1947	791,701.84	56,514,985	813	6,000	1.40
	1948	868,667.70	64,376,898	833	6,519	1.35
	1949	922,265.51	62,692,652	944	5,880	1.47
	1950	1,429,465.54	87,983,478	1,010	6,433	1.62
	1951	1,562,608.29	87,692,082	1,058	7,067	1.78
	1952	1,799,924.89	102,608,301	1,170	7,676	1.75
	1953	2,147,899.48	121,310,479	1,289	8,222	1.77
	1954	2,545,737.21	148,176,508	1,466	8,964	1.72
	1955	2,934,852.81	171,202,169	1,681	9,067	1.71
	1956	3,402,416.31	207,252,224	1,782	9,975	1.64
	1957	3,732,252.41	225,748,793	2,011	9,920	1.65

APPENDIX IV—LEGISLATIVE

AT the 1957 Session of the Legislative Assembly of the Province of Ontario three Acts respecting The Hydro-Electric Power Commission of Ontario were passed. The said Acts are reproduced here in full. The short titles of the Acts are as follows:

The Frequency Standardization Agreements Validation Act, 1957, Chapter 38.
The Power Commission Amendment Act, 1957, Chapter 93.
The St. Lawrence Development Amendment Act, 1957, Chapter 115.

ACTS

CHAPTER 38

An Act to validate Certain Agreements entered into by The Hydro-Electric Power Commission of Ontario with Certain Quebec Power Companies with respect to Frequency Standardization

Assented to April 3rd, 1957.

Session Prorogued April 3rd, 1957.

WHEREAS The Hydro-Electric Power Commission of Ontario purchases electrical power and energy with a periodicity of 25 cycles per second under separate agreements with certain Quebec power companies; and whereas for the purposes of standardizing and making uniform a periodicity of 60 cycles per second The Hydro-Electric Power Commission of Ontario has entered into separate agreements with each of the said companies whereby future deliveries of electrical power and energy will be made at a periodicity in alternations of current of 60 cycles per second instead of 25 cycles per second as heretofore; and whereas it is desirable that these agreements be validated;

Preamble

Therefore, Her Majesty, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. The agreements,

Agreements
validated

- (a) between The Hydro-Electric Power Commission of Ontario and Ottawa Valley Power Company, dated the 22nd day of October, 1956, set out as Schedule A hereto;
- (b) between The Hydro-Electric Power Commission of Ontario, Maclaren-Quebec Power Company and The James Maclaren Company Limited, dated the 12th day of November, 1956, set out as Schedule B hereto;
- (c) between The Hydro-Electric Power Commission of Ontario, Gatineau Power Company and Gatineau Transmission Company, dated the 15th day of February, 1957, set out as Schedule C hereto; and
- (d) between The Hydro-Electric Power Commission of Ontario, Beauharnois Light, Heat and Power Company, Coteau Rapids Transmission Company and Quebec Hydro-Electric Commission, dated the 7th day of February, 1957, set out as Schedule D hereto,

are hereby ratified and confirmed and declared to be legal, valid and binding upon the parties thereto.

Commence-
ment

2. This Act comes into force on the day it receives Royal Assent.

Short title

3. This Act may be cited as *The Frequency Standardization Agreements Validation Act, 1957*.

SCHEDULE A

THIS AGREEMENT dated this 22nd day of October, 1956.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission",

—and—

OTTAWA VALLEY POWER COMPANY, a corporation organized
under the laws of Quebec, hereinafter called the "Company".

WHEREAS the Company is producing 25 cycle 14.5 Kv. electrical power or energy according to the provisions of a Joint Development Agreement dated February 15, 1930, between the Commission and Chats Falls Power Company, a corporation organized under the laws of Quebec (now known as the Ottawa Valley Power Company) and of an Operating Agreement between the Commission and the said Ottawa Valley Power Company, dated February 24, 1931, set out in Schedule "D" to *The Power Commission Act, 1935* (Ontario); and

WHEREAS the aforesaid 25 cycle electrical power or energy so produced is sold and delivered to the Commission pursuant to the terms of an Agreement (the Power Contract) between the Commission and the said Chats Falls Power Company also dated February 15, 1930, also set out in Schedule "D" to *The Power Commission Act, 1935* (Ontario), as varied and amended by a further Agreement between the said parties dated February 4, 1937, set out in Schedule "A" to *The Power Contracts Validation Act, 1937* (Ontario); and

WHEREAS for the purpose of carrying out its program of standardizing and making uniform the periodicity in alternations of current at which it supplies electrical power or energy to its customers, the Commission desires, with the consent of the Company, to alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever may be necessary to the Company's 25 cycle generating units and facilities so that the electrical power or energy now being produced, sold and delivered to the Commission at a periodicity of 25 cycles per second under the provisions of the above-mentioned Agreements shall henceforth be produced, sold and delivered to the Commission at a periodicity of 60 cycles per second; and

WHEREAS the parties have agreed that the necessary amendment or amendments shall be made to any or all of the above-mentioned Agreements and that such supplementary Agreement or Agreements incidental thereto, as may be requisite, be entered into between the parties hereto, to give effect to the change in the periodicity in alternations of current from 25 cycles to 60 cycles.

WITNESSETH that in consideration of the premises and of other consideration herein contained the parties hereto agree each with the other as follows:

1. Clause 2(a) of the Agreement between the Commission and the Chats Falls Power Company dated February 15, 1930, (the "Power Contract") as amended by clause 1(a) of the Agreement between the

parties hereto dated February 4, 1937, be further amended by striking out the words and figures "twenty-five (25) cycles" and substituting therefor the words and figures "sixty (60) cycles" so that the clause shall read as follows:

"2. (a) The power delivered hereunder shall be alternating, three (3) phase, having a periodicity of sixty (60) cycles per second and a pressure between phase wires not exceeding the commercial maximum voltage of approximately fourteen thousand five hundred (14,500) volts, subject to a reduction of not over two thousand six hundred and forty (2,640) volts from the determined maximum voltage from time to time as the Commission may direct, and the equipment and apparatus installed by the Company in its plant shall be suitable for operation to obtain this condition, provided, however, that nothing herein shall be construed as obligating the Company to install apparatus having a capacity in excess of rated capacity at normal voltage; the Company shall maintain the generator voltage under normal operating conditions within two per cent. (2%) of the generator voltage corresponding to the voltage directed by the Commission as aforesaid and shall install suitable equipment for such purposes, provided that if the Commission at any time takes power, as provided for in Clause 1(d) in excess of the contract demand, then the Company shall, during such excess taking, maintain the voltage and frequency as aforesaid as nearly as possible with the equipment then installed".

and wherever else the words and figures "twenty-five (25) cycles" may occur in any other clauses of the above-mentioned Agreements they shall be deemed to be struck out and the words and figures "sixty (60) cycles" substituted therefor but otherwise the said Agreements shall remain in full force and effect in their present form.

2. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have executed this document by affixing their corporate seals attested by the signatures of their proper signing officers duly authorized in that behalf.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

(Sgd.) W. R. STRIKE,
Vice-Chairman.

(SEAL)

(Sgd.) E. B. EASSON,
Secretary.

OTTAWA VALLEY POWER COMPANY

(Sgd.) G. A. GAHERTY,
President.

(SEAL)

(Sgd.) A. G. MACKINNON,
Secretary.

SCHEDULE B

THIS AGREEMENT dated the 12th day of November, 1956.
BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission",
MACLAREN-QUEBEC POWER COMPANY a corporation organized under the Laws of Quebec, hereinafter called the "Power Company",

—and—

THE JAMES MACLAREN COMPANY LIMITED, a corporation organized under the laws of Canada, hereinafter called the "Transmission Company".

WHEREAS the Power Company is presently producing and selling to the Commission 125,000 horsepower of 25 cycle, 240 Kv. electrical power or energy, which electrical power or energy is delivered to the Commission by the Transmission Company; and

WHEREAS the aforesaid 25 cycle electrical power or energy is produced, sold and delivered to the Commission pursuant to the terms of an Agreement between James Maclaren Company Limited (in subsequent Agreements called the "Transmission Company") and the Commission dated December 20, 1930, set out in Schedule "E" to *The Power Commission Act, 1935* (Ontario), as varied by an Agreement between the Power Company, the Transmission Company and the Commission dated December 14, 1937, set out in Schedule "D" to *The Power Contracts Validation Act, 1938* (Ontario), and by a further amending Agreement between the said parties dated December 5, 1941, the amount of electrical power or energy to be produced, sold and delivered to the Commission was increased to its present amount of 125,000 horsepower; and

WHEREAS for the purpose of carrying out its program of standardizing and making uniform the periodicity in alternations of current at which it supplies electrical power or energy to its customers, the Commission desires the Power Company to alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever may be necessary to the Power Company's generating units and facilities so that the 125,000 horsepower, 240 Kv. electrical power or energy now being produced, sold and delivered to the Commission at a periodicity of 25 cycles per second under the provisions of the above-mentioned Agreements shall henceforth be produced, sold and delivered to the Commission at a periodicity of 60 cycles per second, and, in addition, to alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever is necessary to the Company's said generating units and/or facilities to permit the said 60 cycle electrical power or energy to be transmitted and delivered to the Commission at a phase to phase voltage of 121 Kv., or alternatively, at 242 Kv.; and

WHEREAS the Power Company has agreed to cause the necessary changes to be made to its 25 cycle generating units and associated facilities on the understanding that the Commission will reimburse it for the cost of such changes in accordance with the terms of a Construction Agreement to be entered into between the Power Company and the Commission; and

WHEREAS the parties hereto have agreed that the necessary amendment or amendments shall be made to any or all of the above-mentioned

Agreements dated respectively December 20, 1930, December 14, 1937, and December 5, 1941, and that such supplementary Agreement or Agreements incidental thereto, as may be requisite, be entered into between the parties hereto, to give effect to the change in the periodicity in alternations of current from 25 cycles to 60 cycles and to the change in phase to phase voltage from 240 Kv. to 121 Kv., or alternatively, to 242 Kv.

WITNESSETH that in consideration of the premises and of other consideration herein contained the parties hereto agree each with the other as follows:

1. The said Agreement dated December 20, 1930, as varied by the said Agreement dated December 14, 1937, is amended by striking out clause 4 (d) and substituting therefor the following:

"4. (d) The power and energy delivered hereunder shall be alternating three phase with a periodicity of approximately sixty cycles per second at a pressure between phase wires of approximately one hundred and twenty-one thousand (121,000) volts, or alternatively, two hundred and forty-two thousand (242,000) volts. The Power Company shall adjust the voltage as the Commission shall from time to time request, and shall maintain this voltage constant within 2%; subject to the condition that, when the systems of the Power Company and the Commission are operating in parallel through transformation at Masson Generating Station, the Power Company shall not be required to make any change in voltage which would cause a variation of more than 5% in the voltage at the Power Company's 115 Kv. bus at Masson GS; and the equipment and apparatus installed by the Power Company in its plants shall be suitable to obtain these conditions. The Power Company shall at mutually agreeable times make changes requested by the Commission in the tap positions on the transformers at Masson GS connected to the Commission's system. Nothing herein shall be construed as obligating the Power Company to operate its apparatus in excess of its rated capability."

2. The said Agreement dated December 20, 1930, as varied by the said Agreement dated December 14, 1937, is further amended by striking out clause 5 (c) and substituting therefor the following:

"5. (c) The Commission shall bear the cost of all transformation losses incurred in stepping up the power delivered under the agreement from generator voltage to transmission voltage, and also the cost of transmission losses between the Power Company's Masson Generating Station and the point of delivery, the value of such losses having already been considered in the price specified in this Agreement. The power and energy supplied under this agreement shall be measured at Masson GS. For purposes of billing, such power and energy shall be considered as consisting of two components.

(a) That which is delivered to the Commission from Masson GS, which shall be measured at the generator voltage terminals of the transformers which connect Masson GS to the Commission's system.

(b) That which is transferred between the Power Company's system and the Commission's system through an interconnection at Masson GS, which shall be measured at the Power Company's transmission voltage at the point where the two systems are interconnected.

Whenever the power referred to in (b) is flowing from the Power Company's system to the Commission's system, the power or energy delivered to the Commission shall be item (a) plus 101% of item (b), at other times the power or energy delivered to the Commission shall be item (a) less 101% of item (b)."

3. The Transmission Company joins herein to concur in the terms and provisions of this Agreement.

4. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have executed this document by affixing their corporate seals attested by the signatures of their proper officers duly authorized in that behalf.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
(Sgd.) W. R. STRIKE,
Vice-Chairman.

(SEAL)

(Sgd.) E. B. EASSON,
Secretary.

MACLAREN-QUEBEC POWER COMPANY
(Sgd.) A. R. MACLAREN,
President.

(SEAL)

(Sgd.) J. W. THOMSON,
Secretary.

THE JAMES MACLAREN COMPANY LIMITED
(Sgd.) A. B. MACLAREN,
President.

(SEAL)

(Sgd.) J. W. THOMSON,
Secretary.

SCHEDULE C

CONVERSION AGREEMENT

THIS AGREEMENT dated the 15th day of February, 1957.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called the "Commission",
GATINEAU POWER COMPANY, a Quebec Corporation, hereinafter called the "Power Company",
—and—

GATINEAU TRANSMISSION COMPANY, a Dominion Corporation,
hereinafter called the "Transmission Company".

- I WHEREAS the Power Company is at present selling to the Commission 260,000 horsepower of 25 cycle electrical power or energy at a voltage of 230,000 from apparatus installed by the Power Company in its plants on the Gatineau River in the Province of Quebec which electrical power or energy is delivered to the Commission by the Transmission Company; and
- II WHEREAS the aforesaid 25 cycle electrical power or energy is sold and delivered to the Commission pursuant to the terms of an Agreement between the Power Company and the Commission, being the Original 25 cycle Contract dated May 19, 1926, set out

in Schedule "A" to *The Power Commission Act, 1935* (Ontario), as amended by an Agreement between the parties hereto dated December 14, 1937, set out in Schedule "B" to *The Power Contracts Validation Act, 1938* (Ontario), hereinafter referred to as the "260,000 Horsepower Contract"; and

- III WHEREAS for the purpose of carrying out its program of standardizing and making uniform the periodicity in alternations of current at which the Commission supplies electrical power or energy to its customers, the Commission desires the Power Company to alter, reconstruct, rebuild, re-assemble, acquire, construct, extend, replace or do whatever may be necessary to the Power Company's apparatus including without limiting the generality thereof, to acquire such apparatus as may be requisite, so that the 260,000 horsepower of electrical power or energy now being sold and delivered to the Commission at a voltage of 230,000 and at a periodicity of 25 cycles per second shall henceforth be sold and delivered to the Commission at a voltage of 245,000 and at a periodicity of 60 cycles per second, and in addition, to alter, reconstruct, rebuild, re-assemble, acquire, construct, extend, replace or do whatever is necessary to the Power Company's apparatus to permit the said 60 cycle electrical power or energy to be transmitted and delivered to the Commission at a phase to phase voltage of 245,000; and
- IV WHEREAS the Power Company has agreed to effect the necessary changes to be made to its 25 cycle apparatus at the expense of the Commission in accordance with the terms of a Construction Agreement entered into between the Power Company and the Commission concurrently herewith; and
- V WHEREAS the Power Company is also at present selling to the Commission 60,000 horsepower of 60 cycle electrical power or energy at a voltage of 110,000 pursuant to the terms of an Agreement between the Power Company and the Commission, being the Original 60 Cycle Contract dated December 28, 1927, set out in Schedule "B" to *The Power Commission Act, 1935* (Ontario) as amended by an Agreement between the parties hereto dated December 14, 1937, set out in Schedule "A" to *The Power Contracts Validation Act, 1938* (Ontario), hereinafter referred to as the "60,000 Horsepower Contract"; and
- VI WHEREAS since the year 1942 certain of the power to be delivered under the 60,000 Horsepower Contract has been delivered by the Transmission Company to the Commission at the Bryson point of delivery hereinafter more particularly defined; and
- VII WHEREAS for convenience in operation of its system the Power Company has requested the right, after October 1, 1960, to deliver from time to time, a part of the electrical power or energy being produced and sold to the Commission under the 60,000 Horsepower Contract, at the same delivery point as that now existing for the delivery of electrical power or energy to the Commission under the 260,000 Horsepower Contract, and the Commission is willing to grant this request; and
- VIII WHEREAS the parties hereto have agreed that the necessary amendment or amendments shall be made to the 260,000 Horsepower Contract and the 60,000 Horsepower Contract to give effect to the foregoing Recitals.

WITNESSETH that in consideration of the premises and of the mutual advantages expected to be realized by the parties hereto respectively, the parties hereto agree as follows:

THE 260,000 HORSEPOWER CONTRACT

1. The Original 25 Cycle Contract dated May 19, 1926, as amended by the said Agreement dated December 14, 1937, is amended as follows:

(1) Clause 4 (*h*) is struck out and the following substituted therefor:

“4. (*h*) After the Contract Demand shall have reached two hundred and sixty thousand (260,000) horsepower, the Commission may, at any time, but at all times so as not to exceed the weekly takings of energy as specified in Clause 4 (*d*), increase the rate of taking of power to an amount in excess of the Contract Demand, up to the limits of the overload capacity of all the generating equipment used from time to time by the Power Company exclusively to meet its obligations hereunder, and of all the unused and available capacity of the remaining generating equipment of the Power Company converted from 25 cycle to 60 cycle. The Commission shall make no payment to the Transmission Company or to the Power Company for overload or spare capacity so utilized.”

(2) Clause 4 (*i*) is struck out and the following substituted therefor:

“4. (*i*) The power and energy delivered hereunder shall be alternating three-phase with a periodicity of approximately sixty cycles per second at a pressure between phase wires of approximately 245,000 volts at Paugan, subject to a reduction of not over fifteen percent from the said voltage from time to time as the Commission may direct; and the equipment and the apparatus installed by the Power Company in its plants shall be suitable to obtain this condition, provided, however, that nothing herein shall be construed as obligating the Power Company to operate its apparatus in excess of its rated capacity at normal voltage. The Power Company shall maintain the generator voltage within two per cent (2%) of the generator voltage corresponding to the voltage directed by the Commission as aforesaid and shall maintain suitable equipment for such purpose, provided that if the Commission at any time takes power, as provided for in Clause 4 (*h*), in excess of the Contract Demand, then the Power Company shall, during such excess taking, maintain the voltage and frequency as aforesaid as nearly as possible with the equipment then installed.”

(3) Clause 5 (*c*) is struck out and the following substituted therefor:

“5. (*c*) The power and energy supplied under this Agreement shall be measured on the low voltage side of the 245,000 volt step-up transformers at Paugan and no adjustment of such measurement shall be required; the loss in transformation to the transmission voltage of approximately 245,000 volts and transmission at this voltage from Paugan to the point of delivery having already been considered in the price herein specified.”

THE 60,000 HORSEPOWER CONTRACT

2. The Original 60 Cycle Contract dated December 28, 1927, as amended by the said Agreement dated December 14, 1937, is amended as follows:

(1) Clause 2 is struck out and the following substituted therefor:

“2. The Transmission Company covenants and agrees with the Commission:

(a) (i) To maintain the existing 110,000 volt single-circuit line from the Power Company's Bryson Generating Station at Bryson in the Calumet Channel of the Ottawa River in the Province of Quebec to a point (hereinafter referred to as the “Bryson point of delivery”) in Ontario ten (10) feet within the Interprovincial Boundary located approximately three and one-half miles in a south-westerly direction from the Bryson Generating Station where the said line interconnects with the transmission line of the Commission's system, and

(ii) To maintain the existing 110,000 volt double-circuit line from the Power Company's switching station at Hull to a point (hereinafter referred to as the “Val Tetreau point of delivery”) in Ontario ten (10) feet within the Interprovincial Boundary where the said line interconnects with the double-circuit line of the Commission's system.”

“2. (b) To receive from the Power Company and to transmit over its transmission lines and to deliver to the Commission the electrical power and energy covered by this Agreement at the following delivery points within the Province of Ontario:

(i) That portion of the power and energy to be delivered under this contract and required by the Commission to supply its transformer stations connected to the transmission line referred to in Clause 2 (a) (i) will be delivered at the Bryson point of delivery on the transmission line referred to in clause 2 (a) (i);

(ii) The remainder of the power and energy required to be delivered under this contract will be delivered at the Val Tetreau point of delivery on the transmission line referred to in Clause 2 (a) (ii) provided that, after October 1, 1960, from time to time at the option of the Power Company, this power and energy may be delivered instead at a point ten (10) feet within the Province of Ontario on the Transmission Company's two 240,000 volt transmission lines from Pagan Generating Station; this latter being the delivery point for all power and energy under that Agreement sometimes known as the Original 25 Cycle Contract dated May 19, 1926, set out in Schedule “A” to *The Power Commission Act, 1935* (Ontario), as amended by an Agreement between the Commission, the Power Company and the Transmission Company dated December 14, 1937, set out in Schedule “B” to *The Power Contracts Validation Act, 1938* (Ontario), hereinafter referred to as the “260,000 Horsepower Contract”.”

“2. (c) To maintain the aforesaid transmission lines in a proper and efficient manner and at least up to the present standard of the transmission lines of the Commission used to further transmit such power and energy.”

“2. (d) To maintain a two wire telephone line between the Power Company’s switching station at Hull and the point of connection with the telephone lines of the Commission and to permit the free use of said communication system to the Power Company and to the Commission for the proper control and delivery of the power specified in this Agreement.”

“2. (e) Notwithstanding the provisions of clause 4 (i), the Commission shall not connect any source of power generation to its transmission line connected to the Bryson point of delivery when the Company is delivering any portion of the power and energy under this contract at the Bryson point of delivery and the parties agree that the control of power factor and power delivery at the Bryson point of delivery are within the sole control of the Commission and that the Power Company, in meeting the requirements of the Commission as provided in clause 4 (i) at the Val Tetreau point of delivery, shall be deemed to have met the requirements of the Commission as provided in clause 4 (i) in respect to voltage at the Bryson point of delivery.”

- (2) Clause 5 (c) is struck out and the following substituted therefor:

“5. (c) The power and energy supplied under this Agreement for delivery

- (i) at the Val Tetreau point of delivery shall be measured at the Power Company’s switching station at Hull on the one hundred and ten thousand (110,000) volt transmission line interconnecting with the Commission’s system;
- (ii) at the Bryson point of delivery shall be measured at the Power Company’s Bryson Generating Station on the one hundred and ten thousand (110,000) volt transmission line interconnecting with the Commission’s system;
- (iii) at the same point of delivery as the power and energy delivered under the 260,000 Horsepower Contract, shall be measured at the same point as power and energy is measured under the 260,000 Horsepower Contract.

No adjustment of such measurements shall be required, any loss in transmission from the aforesaid points of measurement to the points of delivery having already been considered in the price herein specified.”

- (3) Clause 7 (a) is amended by adding at the end of paragraph one thereof the following:

“should the Power Company or the Transmission Company at any time or times for any of the before-mentioned causes

be prevented from delivering power to the Commission at the Bryson point of delivery in accordance with this Agreement when it is not so prevented from delivering power at the Val Tetreau point of delivery such power may be delivered at the Val Tetreau point of delivery.”

3. The Commission shall bear the entire cost and expense of the Work required to alter, so as to standardize to 60 cycles and 245,000 volts, the Power Company's existing apparatus at 25 cycles and 230,000 volts, in accordance with the terms of the Construction Agreement entered into concurrently herewith. The Commission may supply from its own system such apparatus as is suitable for use by the Power Company for the purpose aforesaid. All of the said apparatus, including any supplied by the Commission, shall become and remain the property of the Power Company, and Clause 11 of the 260,000 Horsepower Contract shall not apply thereto.

4. In case the Power Company or the Transmission Company shall be prevented, by reason of failure of any apparatus previously in service on the system of the Commission and supplied by it to the Power Company as permitted by Clause 3, or as a result of any of the Work referred to in Clause 3 being done, from delivering in any week all or any part of the electrical power or energy to which the Commission is entitled under the 260,000 Horsepower Contract there shall be no reduction in the sums payable by the Commission to the Power Company in respect of the Contract Demand under the 260,000 Horsepower Contract for such week.

5. It is understood and agreed that the 260,000 Horsepower Contract and the 60,000 Horsepower Contract shall be varied and amended insofar as necessary to give effect hereto but otherwise shall remain in full force and effect.

6. This Agreement shall not take effect until it has been ratified and confirmed by the Legislature of the Province of Ontario. The Commission shall apply to the said Legislature to ratify and confirm this Agreement. Should the Commission fail to secure such ratification and confirmation by May 31, 1957, this Agreement shall be void and of no effect.

7. During the period within which the changes to the 25 cycle apparatus referred to in Clause 3 are being made, the Power Company shall deliver to the Transmission Company for delivery to the Commission such amounts of 60 cycle electrical power and energy as are reasonably possible from such apparatus as has been converted from 25 cycle to 60 cycle from time to time and as may be requested by the Commission. Upon completion of the Work referred to in Clause 3 all electrical power and energy to be delivered under the 260,000 Horsepower Contract shall be delivered to the Commission at a periodicity of 60 cycles per second.

8. All written notices or other documents to be given or delivered by any party hereto to either of the others or to any representative of either of the others may be sent by prepaid registered letter to such address or addresses as each party shall from time to time file with the others. The parties agree each to maintain its address on file with the others and in default such address shall in the case of the Power Company and the Transmission Company be deemed to be the City of Hull, Quebec and in the case of the Commission, the City of Toronto, Ontario.

IN WITNESS WHEREOF the parties hereto have caused this amending Agreement to be executed under their corporate seals and the hands of their duly authorized officers.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
(Sgd.) W. R. STRIKE,
Vice-Chairman.

(SEAL)

(Sgd.) E. B. EASSON,
Secretary.

GATINEAU POWER COMPANY
(Sgd.) G. GORDON GALE,
President.

(SEAL)

(Sgd.) ANDRE E. GADBOIS,
Secretary.

GATINEAU TRANSMISSION COMPANY
(Sgd.) G. GORDON GALE,
President.

(SEAL)

(Sgd.) ANDRE E. GADBOIS,
Secretary.

SCHEDULE D

THIS AGREEMENT made this 7th day of February, 1957.

BETWEEN:

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO,
hereinafter called "Ontario Hydro",
BEAUHARNOIS LIGHT, HEAT AND POWER COMPANY (a corporation organized under the laws of the Province of Quebec),
hereinafter called the "Power Company",
COTEAU RAPIDS TRANSMISSION COMPANY LIMITED (a corporation organized under the laws of Canada), hereinafter called the "Transmission Company",

—and—

QUEBEC HYDRO-ELECTRIC COMMISSION, hereinafter called "Hydro-Quebec".

WHEREAS Ontario Hydro purchases 250,000 horsepower of 25 cycle 240 Kv. electrical power or energy pursuant to an Agreement between the Power Company and Ontario Hydro dated November 29, 1929, set out as Schedule "C" to *The Power Commission Act, 1935* (Ontario), as varied and amended by an Agreement between the Power Company, the Transmission Company and Ontario Hydro dated December 14, 1937, set out as Schedule "C" to *The Power Contracts Validation Act, 1938* (Ontario); and

WHEREAS for the purpose of supplying the said 250,000 horsepower of electrical power or energy, the Power Company installed six 25 cycle generating units at the Beauharnois Generating Station on the St. Lawrence River in the Province of Quebec; and

WHEREAS Hydro-Quebec, the Power Company and the Transmission Company entered into an Agreement dated April 26, 1954, whereby Hydro-Quebec leases and operates the immovables, constructions, apparatus and plant of the Power Company for a period of twenty-five (25) years from May 1, 1954; and

WHEREAS for the purpose of carrying out its progress of standardizing and making uniform the periodicity in alternations of current at which it supplies electrical power or energy to its customers, Ontario Hydro desires Hydro-Quebec to alter, reconstruct, rebuild, re-assemble, construct, extend, replace or do whatever may be necessary to the said 25 cycle generating units and facilities at the Beauharnois Generating Station so that the 250,000 horsepower, 240 Kv. electrical power or energy now being produced, sold and delivered to Ontario Hydro at a periodicity of 25 cycles per second under the provisions of the above-mentioned Agreements shall henceforth be produced, sold and delivered to Ontario Hydro at a periodicity of 60 cycles per second; and

WHEREAS Hydro-Quebec has agreed to make the necessary changes to the six 25 cycle generating units and associated facilities at Beauharnois generating station on the understanding that Ontario Hydro will reimburse it for the costs of such changes as are defined in accordance with the terms of a Construction Agreement to be entered into between Hydro-Quebec, Ontario Hydro and the Power Company; and

WHEREAS the parties hereto have agreed that the necessary amendment or amendments shall be made to one or both of the two above-mentioned Agreements for the supply of 25 cycle electrical power or energy dated respectively November 29, 1929, and December 14, 1937, and that such supplementary Agreement or Agreements incidental thereto, as may be requisite, be entered into between the parties hereto, to give effect to the change in the periodicity in alternations of current from 25 cycles to 60 cycles.

WITNESSETH that in consideration of the premises and of other consideration herein contained the parties hereto agree each with the other as follows:

1. The said Agreement dated November 29, 1929, as varied by the said Agreement dated December 14, 1937, is amended by striking out clause 2 (a) and substituting therefor the following:

"2. (a) The power and energy delivered hereunder shall be alternating, three-phase, having an average periodicity of sixty (60) cycles per second, and shall be controlled by tie-line-bias control equipment installed by the Company and the Commission at their respective locations. The Company and the Commission each shall bear its own costs of purchase and installation of such equipment. The pressure between phase wires shall be approximately two hundred and forty thousand volts (240,000 V.) subject to an increase or decrease from time to time as the Commission may direct of not over five per cent (5%); the Company shall, under normal operating conditions, maintain the voltage within two per cent (2%) of the voltage directed by the Commission as aforesaid; and the Company shall install suitable equipment and apparatus for these purposes."

2. The said Agreement dated November 29, 1929, as varied by the said Agreement dated December 14, 1937, is further amended by striking out clause 4 (d) and substituting therefor the following:

"4. (d) The power and energy covered by this agreement shall be delivered at approximately Two Hundred and Forty Thousand Volts (240,000 V.), subject to Clause 2 (a) as hereinbefore mentioned, at a point where the two existing 240,000 volt transmission lines cross the boundary between the Provinces of Ontario and

Quebec, approximately three miles from Lake St. Francis. The Company shall install suitable transformation at its Beauharnois Generating Station and shall maintain the necessary transmission lines between Beauharnois Generating Station and the point of delivery.

All electrical power and energy supplied under this agreement shall be measured at the 115,000 volt connections to the Two Hundred and Forty Thousand (240,000) volt step-up autotransformers at the Company's Beauharnois Station. No adjustment of such measurement shall be made for the loss in transformation to transmission voltage (approximately 240,000 volts) nor for transmission loss to the point of delivery, the said losses having already been allowed for; but a reduction shall be made for the amount of power or energy taken by the Company from the low voltage tertiaries of the said autotransformers. If for any reason the measuring instruments are connected to other than the said metering point, their readings shall be subject to a correction and shall be corrected to give results such as would be obtained by instruments connected at the said metering point.

The Company will maintain a suitable communication system between its plants and the point of delivery."

3. Hydro-Quebec, as intervenor, hereby covenants and agrees with Ontario Hydro to assume, undertake and perform and hereby assumes, undertakes and binds itself to perform or cause to be performed, as the case may be all of the agreements and obligations of the Power Company and of the aforesaid Agreements dated November 29, 1929, and December 14, 1937.

4. This Agreement shall extend to, be binding upon and enure to the benefit of the successors and assigns of the parties hereto.

IN WITNESS WHEREOF the parties hereto have executed this Agreement by affixing their corporate seals attested by the signatures of their proper officers duly authorized in that behalf.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
(Sgd.) W. R. STRIKE,
Vice-Chairman.

(SEAL)

(Sgd.) E. B. EASSON,
Secretary.

BEAUHARNOIS LIGHT, HEAT AND POWER COMPANY
(Sgd.) J. W. McCAMMON,
Vice-President.

(SEAL)

(Sgd.) W. E. JOHNSON,
Joint Secretary.

COTEAU RAPIDS TRANSMISSION COMPANY LIMITED
(Sgd.) J. W. McCAMMON,
Vice-President.

(SEAL)

(Sgd.) W. E. JOHNSON,
Joint Secretary.

QUEBEC HYDRO-ELECTRIC COMMISSION
(Sgd.) J. A. SAVOIE,
President.

(SEAL)

(Sgd.) B. LACASSE,
Joint Secretary.

CHAPTER 93

An Act to amend The Power Commission Act

Assented to April 3rd, 1957.

Session Prorogued April 3rd, 1957.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Clause a of section 26 of *The Power Commission Act*, as amended by section 2 of *The Power Commission Amendment Act, 1956*, is repealed and the following substituted therefor:

R.S.O. 1950,
c. 281, s. 59,
cl. a, re-
enacted

(a) for the purposes of standardizing and making uniform the periodicity in alternations of current at which it supplies power, alter, reconstruct, rebuild, reassemble, construct, extend, replace or do whatever else may be necessary in respect of its works, works held by it under section 84, works held by it in trust for Her Majesty in right of Ontario under sections 59 and 59a and, with their consent, works wherever situate of other persons who are supplying or purchasing or otherwise delivering or accepting delivery of power to or from the Commission.

2. Section 59 of *The Power Commission Act* is amended by adding thereto the following subsection:

R.S.O. 1950,
c. 281, s. 59,
amended

(2a) In subsection 2, "the annual costs and charges in connection therewith as determined by the Commission" includes for the purposes of subsection 2 and of every agreement heretofore or hereafter entered into between Her Majesty and the Commission thereunder all costs, charges and expenditures incurred or to be incurred for the provision of a reserve for, and the amortization of the cost of, standardizing and making uniform the periodicity in alternations of current at which power is generated and supplied by the Commission from works held by it in trust for Her Majesty in right of Ontario and at which such power is utilized.

Definition
of annual
costs and
charges

3. This Act comes into force on the day it receives Royal Assent.

Commence-
ment

4. This Act may be cited as *The Power Commission Amendment Act, 1957*.

Short title

CHAPTER 115

An Act to amend The St. Lawrence Development Act, 1952 (No. 2)

Assented to April 3rd, 1957.

Session Prorogued April 3rd, 1957.

HER MAJESTY, by and with the advice and consent of the Legislative Assembly of the Province of Ontario, enacts as follows:

1. Section 1 of *The St. Lawrence Development Act, 1952 (No. 2)* is amended by adding thereto the following clause:

1952 (2nd
Sess.), c. 3,
s. 1,
amended

(ff) "road" means, whether opened or unopened, any common, public or other highway, road, street, road allowances, way, thoroughfare or any part thereof or any public means of access, ingress, egress or passage for persons or vehicles and includes bridges and structures forming part of a road.

2. *The St. Lawrence Development Act, 1952 (No. 2)* is amended by adding thereto the following section:

1952 (2nd
Sess.), c. 3,
amended

8a. Notwithstanding anything in any general or special Act, where under subsection 1 of section 8 a road has been or is expropriated and the councils of the municipalities whose action or approval would under any Act be required for the closing thereof consent by by-law to such closing, such road shall be deemed to be stopped up and closed as of the date of the deposit in the proper registry or land titles office of a plan and description thereof in the manner provided in section 9.

Certain
roads closed

3. This Act comes into force on the day it receives Royal Assent.

Commence-
ment

4. This Act may be cited as *The St. Lawrence Development Amendment Act, 1957*.

Short title

ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and municipalities, persons, and corporations mentioned in the list hereunder given were approved by Order in Council.

Town		Petawawa	Apr. 23, 1957
Rainy River	Aug. 6, 1957	Pilkington	Mar. 19, 1957
TOWNSHIPS		Plantagenet South	Dec. 4, 1957
Essa	Feb. 20, 1957	Trafalgar	May 15, 1957
Fullarton	Sept. 10, 1957	IMPROVEMENT DISTRICTS	
Guelph	Dec. 4, 1957	Cameron	July 29, 1957
Kinloss	July 29, 1957	Nakina	Sept. 26, 1957
Luther West	Feb. 7, 1957	Onaping	Aug. 6, 1957
McNab	Mar. 19, 1957	Sioux Narrows	Sept. 12, 1957
Moore	Dec. 4, 1957	Val Albert	Mar. 25, 1957
Papineau	July 9, 1957	Val Albert	Sept. 10, 1957
Peel	Mar. 19, 1957		
CORPORATIONS			
Abitibi Power & Paper Company, Limited			May 2, 1957
American Nepheline Limited			May 6, 1957
Best Yeast, Limited			Jan. 25, 1957
Caldwell Linen Mills Limited			Feb. 7, 1957
Caldwell Linen Mills Limited			May 27, 1957
Calumet & Hecla of Canada Limited			Oct. 30, 1957
Canadian International Paper Company			Oct. 3, 1957
Canadian Niagara Power Company, Limited			Oct. 30, 1957
Cobalt Consolidated Mining Corporation Limited			Mar. 18, 1957
Cobalt Consolidated Mining Corporation Limited and United Cobalt Mines Limited			Jan. 23, 1957
Consolidated Sand and Gravel, Limited			June 11, 1957
Consolidated Sudbury Basin Mines Limited			May 24, 1957
Consolidated Sudbury Basin Mines Limited			Nov. 19, 1957
Delnite Mines Limited			Aug. 6, 1957
Dow Chemical of Canada, Limited			Sept. 17, 1957
Du Pont Company of Canada (1956) Limited			Apr. 25, 1957
Falconbridge Nickel Mines Limited			Jan. 13, 1958
Goodrich, B. F., Canada Limited			Mar. 5, 1957
Great Lakes Power Corporation Limited			July 16, 1957
Greyhawk Uranium Mines Limited			Feb. 7, 1957
Gypsum, Lime and Alabastine, Canada, Limited			Oct. 22, 1957
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence			Feb. 26, 1957
Her Majesty the Queen in right of Canada, represented by the Minister of National Defence			Dec. 12, 1957
Her Majesty the Queen in right of the Province of Ontario, represented by the Minister of Public Works for the Province of Ontario			Feb. 12, 1957
Howard Smith Paper Mills, Limited			Aug. 21, 1957
Interprovincial Pipe Line Company			Sept. 27, 1957
KVP Company Limited			Feb. 26, 1957
Kerr-Addison Gold Mines Limited			Nov. 25, 1957
Lake Ontario Portland Cement Company Limited			Jan. 31, 1957
Leitch Gold Mines Limited			Mar. 13, 1957
Light Alloys Limited			Mar. 27, 1957
Lionite Abrasives Limited			Sept. 17, 1957
Lowphos Ore, Limited			Nov. 11, 1957
MacLeod-Cockshutt Gold Mines Limited			Aug. 28, 1957
Maple Leaf Milling Company Limited			June 7, 1957
National Harbours Board			Nov. 14, 1957
Neelon Steel Limited			June 26, 1957
Nickel Offsets Limited			Oct. 31, 1957
North American Cyanamid Limited			Aug. 22, 1957
Northspan Uranium Mines Limited			Mar. 5, 1957
Northspan Uranium Mines Limited			Mar. 19, 1957
Norton Company			June 11, 1957
Orenda Engines Limited			Nov. 19, 1957
Orenda Engines Limited			Dec. 4, 1957
Pembroke Electric Light Company Limited			Feb. 19, 1957
Pembroke Electric Light Company Limited			July 22, 1957
Siscoe Vermiculite Mines Limited			Mar. 5, 1957
Trans-Northern Pipe Line Company			Nov. 25, 1957
Union Carbide Canada Limited			Feb. 14, 1957
Union Carbide Canada Limited			Nov. 11, 1957
Welland Tubes Limited			Mar. 25, 1957

LIST OF ABBREVIATIONS

cfs	—cubic feet per second	min	—minimum
G.S.	—Generating Station		—minute (20-min)
hp	—horsepower	mm.	—millimetre
Imp. Dist.	—Improvement District	N.O.P.	—Northern Ontario Properties
Jct.	—Junction	NPD	—Nuclear Power Demonstration
kv	—kilovolt(s)	psi	—pounds per square inch
kva	—kilovolt-ampere(s)	R.O.A.	—Rural Operating Area
kvar	—kilovar(s)	rpm	—revolutions per minute
kw	—kilowatt(s)	S.O.S.	—Southern Ontario System
kwh	—kilowatt-hour(s)	S.S.	—Switching Station
mcm	—thousand circular mils	T.S.	—Transformer Station
M.E.U.	—Municipal Electrical Utilities	Twp.	—Township
		V.A.	—Voted Area

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C = Statement "C"—Rates and Typical Bills for Electrical Service in Municipal Electrical Utilities and Local Systems
D = Statement "D"—Customers, Revenue, and Consumption in Municipal Electrical Utilities and Local Systems
L = Statement of Loads of Municipal Electrical Utilities and Local Systems
P = Statement of Cost of Power
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